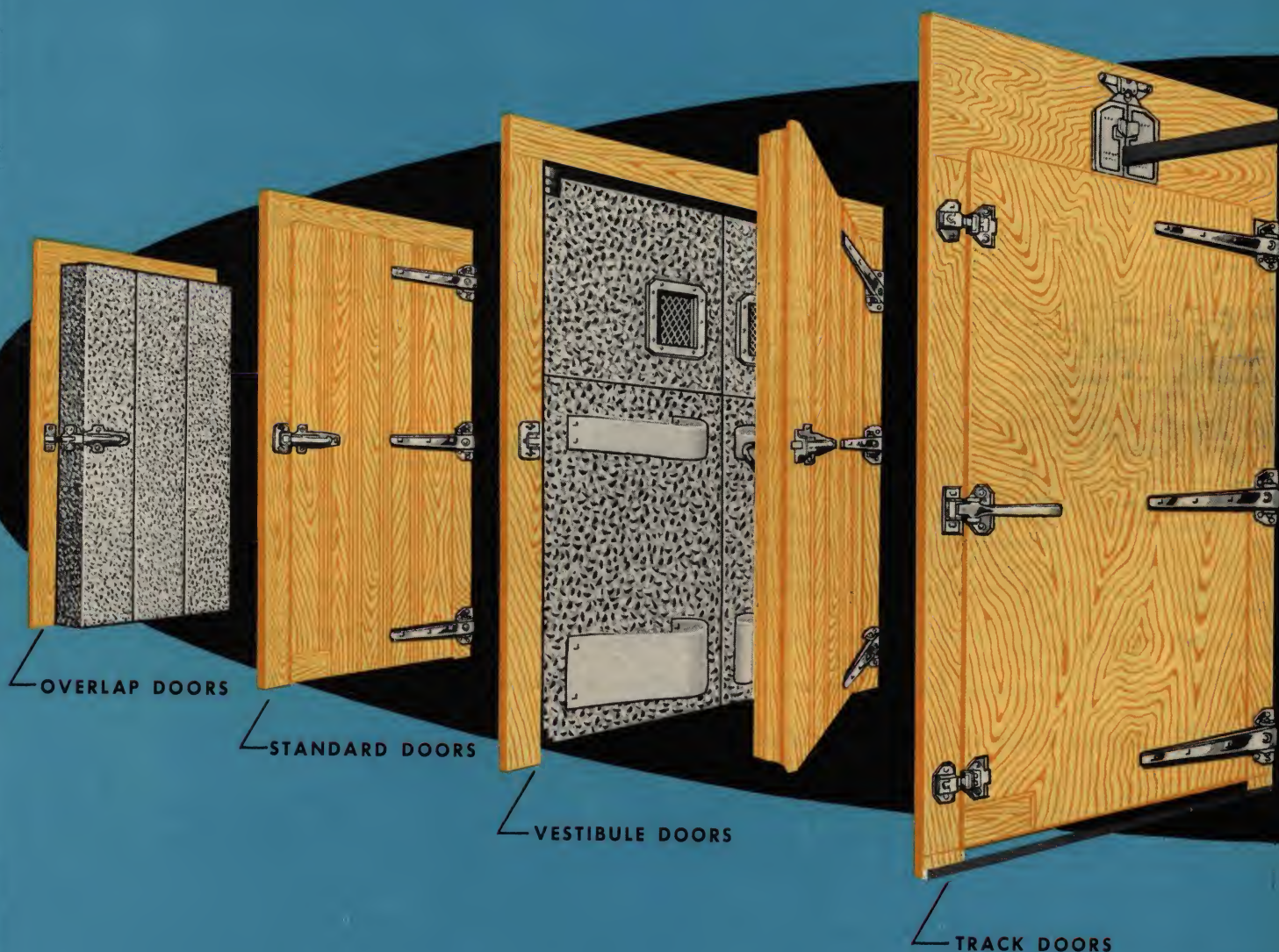


REFRIGERATOR DOORS

for 1960



New!

Type
"GS" and "SS"
DOORS

"Butcher Boy"

QUALITY SINCE 1885

1000 BUTCHER BOY DRIVE • HARVARD, ILLINOIS

Select and Specify THE REFRIGERATOR DOOR TO MEET YOUR PARTICULAR REQUIREMENTS

GENERAL INFORMATION

IT IS OF UTMOST IMPORTANCE TO CONSIDER THE FOLLOWING BASIC FACTORS TO INSURE CONTINUOUS EFFICIENCY AND SATISFACTORY PERFORMANCE OF YOUR REFRIGERATOR DOOR.

- 1 **SPECIFY WIDTH AND HEIGHT (IN CLEAR DOOR OPENING)**, wall or rough buck openings. If Track Type Door is desired, give dimensions from finished floor to top of track rail. (See charts for each type of door.) (Note drawings for Single Seal or Double Seal Doors and specify preference.)
- 2 **TEMPERATURE TO BE MAINTAINED WITHIN THE REFRIGERATED SPACES.** Temperature and the amount of humidity on the "warm" side to which the door will be exposed.
- 3 **TYPE OF INSULATING MATERIALS AND THICKNESS TO BE FURNISHED.** The insulation thickness inserted into the door should be equal to the insulation thickness in the walls.
- 4 **WHAT IS THE BEST TYPE AND STYLE REQUIRED?**
FOR MODERATELY LOW TEMPERATURES of plus 50 degrees F to plus 25 degrees F **we recommend**—Butcher Boy "X-Type" Cooler and Freezer Doors, Butcher Boy "X-52" Plywood Panel Cooler and Freezer Doors. See Pages 6 and 7.
FOR ZERO TEMPERATURES we recommend—Butcher Boy "Low Temperature" Doors. See Page 10.
FOR SUB-ZERO TEMPERATURES we recommend—Butcher Boy "Super-Freezer" (overlap type) Doors. Super-Freezer (overlap type) doors are available for varying degrees of sub-zero temperatures. Remember that the insulation factor of the door should equal insulation thickness in the walls. See Page 11.
WHERE LONG PERIODS OF OPENING PREVAIL, to prevent refrigeration losses **we recommend**—Butcher Boy Vestibule Door units of Cooler, Freezer, Track, Low-Temperature or Super-Freezer (overlap) Doors equipped with Self-Closing Auto-Close Doors hung within one common frame. See Page 14.
FOR NON-REFRIGERATED DOORWAYS. Loading docks or warehouses **we recommend**—Butcher Boy "Auto-Close" Double Swinging Doors, as separate units. See Page 14, Fig. 36.
- 5 **SPECIFIC ADVANTAGES OF METAL CLADDING DOORS AND FRAMES.**
 - A. Protection of doors against adverse weather conditions.
 - B. Metal clad doors are recommended for fire retarding purposes.
 - C. Metal clad doors increase the insulating efficiency.
 - D. Metal coverings protect doors against hard usage, such as trucking in and out of door openings.
 1. Specify "Kickplates" to be applied 4' 0" high (standard) or any preferred height on front and or back of doors.
 2. Specify "Armored Jamb" metal protection for frames 4' 0" high (standard) or any preferred heights.
 3. Specify character and gauge of metal best suited for your particular applications.
 Galvanized metal protections are most commonly used in standard No. 10, No. 16, No. 20, or No. 26 gauges. Stainless Steel or other metal finishes are special categories.
- 6 **TYPE OF HARDWARE AND FINISH DESIRED.** Hot dipped galvanized finish is standard. Chromium or other finishes are special categories.
SPECIAL NOTE: All "X-Type" refrigerator doors are equipped with the standard "Wedge-Type" Fastener with an inner releasing push rod and pull handle.
 All "X-52" Plywood Panel refrigerator doors are equipped with double contact "Super-Seal" Fasteners and Finger-Tip Door Openers.
- 7 **SPECIFY DOOR SWING.** (Left Hand or Right Hand)

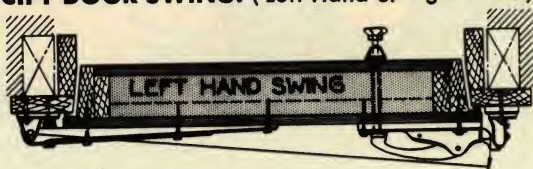


Fig. 1



Fig. 2

- 8 **SELECT AND SPECIFY TYPE OF SILL.** (Angle Iron for concrete floor, Beveled wood, or High wood.

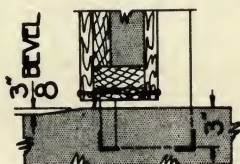


Fig. 3

ANGLE IRON SILL

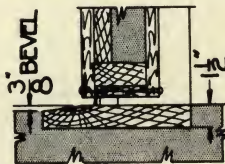


Fig. 4

BEVELED WOOD SILL

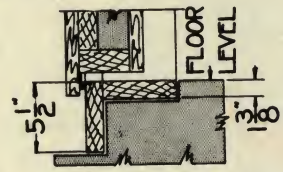


Fig. 5

HIGH WOOD SILL

NO SILL TYPE—As name implies, no sill is provided for a particular type of installation, such as pouring of concrete on job before door arrival or for replacement of old doors. This type of installation saves time, expense, and is practical for emergency installations.

- 9 **HELPFUL HINTS FOR PROPER DOOR INSTALLATIONS.**

- A. Follow directions for installing as recommended by the manufacturer. Each door shipment contains installation data.
- B. Use dimensional bucks as per instruction. Do not skimp on the rough bucks if you want a rigid type of door installation.
- C. When installing the door frame, make certain that installation is plumb and true. Use a spirit level. If frame is not plumb and true, the door will not fit properly nor will there be the necessary airtight seal between the door and the frame.
- D. Lubricate all moving hardware parts at time of installation and at regular intervals thereafter.

"Butcher Boy" Superior Construction

Since 1885

3

INCORPORATING "X-TYPE" STEEL DIAGONAL BRACING FOR GREATER STRENGTH

"X-TYPE" STEEL DIAGONAL BRACING IS THE BASIC PRINCIPLE OF RIGIDITY

GUARANTEES MAXIMUM INSULATION FILL INSIDE OF DOOR

THE ONLY POSITIVE METHOD TO PREVENT DOOR SAGGING

ALLOWS REVERSAL OF DOOR SWING IF NECESSARY

PRIMARY INSULATION

Insulation as per specifications selected by architect or consumer. Accurately fitted into moisture proof cells and sealed with asphalt cement — this forms a permanent lasting seal.

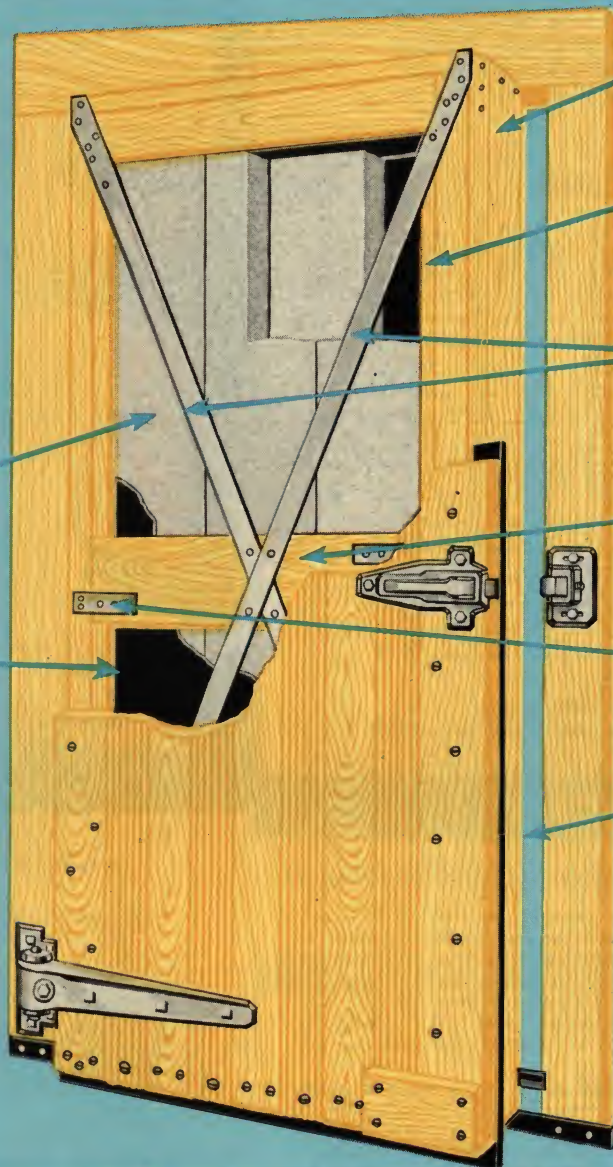
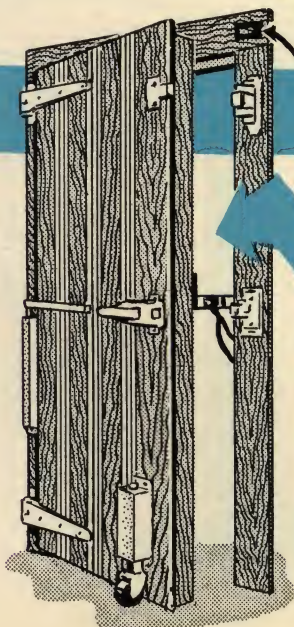
VAPOR SEAL

Frost-proof, odorless, water-resisting paper. Placed on EACH SIDE of insulation to form highest type of moisture-proofing.

IMPORTANT NOTE ON SEALING —

We recommend SINGLE SEAL door construction for all temperature maintenance. Double seal door construction available but not recommended since secondary seal at frame stop is vulnerable to trucking upon contact through the door opening.

Fig. 6



FRAME STRUCTURE

Made of full 1 3/8" x 5 1/2" solid clear Douglas Fir lumber.

INSIDE UPRIGHTS

The "BACKBONE" of Butcher Boy Doors. Uprights placed so as to receive back and front of door making one solid unit.

STEEL DIAGONAL BRACING

2 1/2" wide by full height of door. These 20 gge. galvanized STEEL X STRAPS are fastened securely with heavy nails, staggered to increase holding power. This construction is the ONLY positive method to prevent door sagging.

CROSS MEMBERS

Three (3) 6/4x5" face cross members. NO SHORT PIECES. All must be full width of the door.

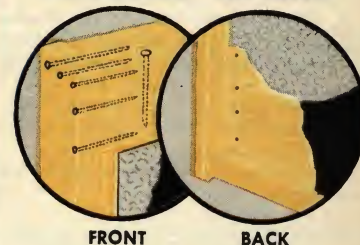
STABILIZERS

Used to tie in the "Frame Structure," "Inside Uprights," and "Cross Members" as one unit through the center of the door.

BACK OF DOOR

Made of 3/4" x 4, 5, or 6" clear Fir, with special tongued and grooved stock — proper allowance made for expansion and contraction.

"INTERLOK" NO-SAG



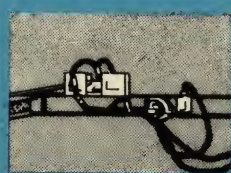
The Test of DURABILITY...

TYPICAL METHODS USED IN TESTING ORIGINAL MODELS OF "BUTCHER BOY" DOORS FOR DURABILITY AND PERFORMANCE

These tests are severe, under actual door operation to assure trouble free action at all times. Note that a record meter is used in conducting these tests. Each original door model is opened and closed 100,000 times, subject to more usage than the average life of any refrigerator door.

100,000

RECORDING METER



TESTING APPARATUS

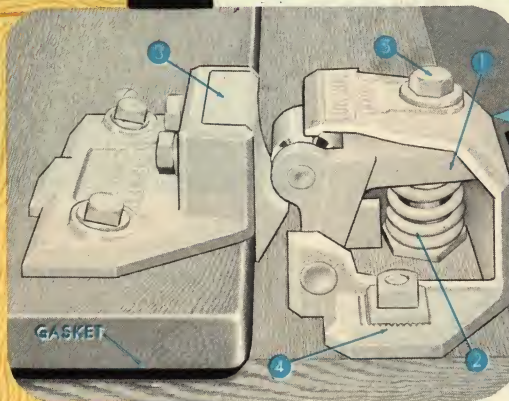
We reserve the right to change specifications without notice, when in our opinion, they will improve our product.

of $+50^{\circ}$ to $+10^{\circ}$

"X-52" PLYWOOD PANEL DOORS

5

Fig. 17—Cut-away View —"Super Seal" Fastener



**NEW
IMPROVED
feature**

"SUPER-SEAL" Model "B" FASTENER

(PATENT PENDING)

The MODEL "B" two point contact "SUPER-SEAL" fasteners are compact in design, maintaining the utmost efficiency of operation when installed to any type of refrigerator door.

Constant automatic spring pressures of the two point contact fasteners "Distribute and Hold" gasket pressures uniformly against the door frame; consequently, a vast improvement over the usual single type fastener.

The MODEL "B" two point contact fasteners maintain a 100% airtight seal between the door gaskets and frame, thereby preventing door warping and icing conditions.

DURABLE—COMPACT—MODERN

Adjustments are simple and positive from the face of the door. (See No. 5.)

The BUTCHER BOY MODEL "B" Super Seal Fasteners are HEAVIER and more DURABLE than any other type of two point contact fasteners in the refrigerator door industry, and have these following exclusive features.

1. 7 to 1 leverage ratio.....More holding power through leverage
2. Coil springs.....Holds spring replacements to absolute minimum
3. Adjustable Strikes.....Permits field adjustments for each individual unit
4. Ribbed Base Mountings.....No slip action possible from constant door slamming

STANDARD SIZES

Door Number	Dimensions Inside of Frame (Door in Clear) Width Height	Size of Wall Opening Required Width Height	Shipping Weight Pounds Crated	Cubic Feet Crated
XPCF-0	1'6" x 1'6"	1'10" x 1'8½"	125	9
XPCF-1	2'6" x 2'0"	2'10" x 2'2½"	155	14
XPCF-2	2'0" x 3'0"	2' 4" x 3'2½"	200	16
XPCF-3	2'6" x 3'0"	2'10" x 3'2½"	235	18
XPCF-4	2'6" x 3'6"	2'10" x 3'8½"	260	20
XPCF-5	2'0" x 6'0"	2' 4" x 6'2½"	305	26
XPCF-6	2'6" x 6'0"	2'10" x 6'2½"	340	30
XPCF-7	2'6" x 6'6"	2'10" x 6'8½"	365	32
XPCF-8	3'0" x 6'0"	3' 4" x 6'2½"	375	33
XPCF-9*	3'0" x 6'6"	3' 4" x 6'8½"	410	36
XPCF-10*	3'6" x 6'6"	3'10" x 6'8½"	440	40
XPCF-11*	4'0" x 6'6"	4' 4" x 6'8½"	475	44
XPCF-12*	4'6" x 6'6"	4'10" x 6'8½"	550	48
XPCF-13*	5'0" x 6'6"	5' 4" x 6'8½"	590	52

* Three hinges furnished.

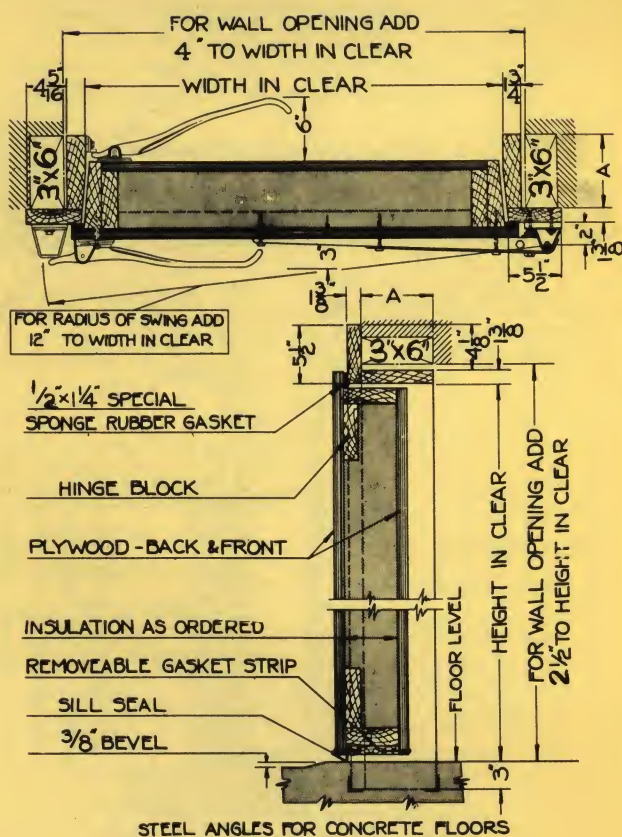
♦ For 6" freezer doors add 20% to weight.

♦♦ For 6" freezer doors add 15% to cubic shown.

The MODEL "B" Super Seal Fasteners are designed to replace other types of double contact fasteners with a minimum of work required. In a majority of replacements, no new hole drilling is necessary. Merely remove the old fasteners and install the MODEL "B" Super Seal Fasteners.

SPECIFY the BUTCHER BOY MODEL "B" "SUPER SEAL" FASTENERS and eliminate the "headaches" which have been so prevalent in the field for so many years. Help make the job easier for the plant engineer and maintenance men.

Fig. 16—"X-52" Plywood Panel Door, Left Hand Swing, Angle Iron Sill.



"A"—Standard 5½"—Special jambs to order.

SPECIFICATIONS FOR PLYWOOD PANEL "X-52" DOORS

Specifications include the door hung into the frame, with all necessary galvanized hardware, ready to set into the door bucks furnished by others. (Sanded finish—no paint or varnish)

CONSTRUCTION

All Lumber is 100% Old Growth "Douglas Fir."

DOOR is Butcher Boy "X-Type" construction.

SECONDARY INSULATION—Frost-proof odorless, water resisting paper placed on each side of insulation to form the highest type of "vapor barrier."

PRIMARY INSULATION—Corkboard, Fiberglass, Rock Cork, or any insulation as specified, sealed with asphalt emulsion.

BACK OF DOOR—One piece plastic bonded marine plywood 5/8" thick, 5 ply type "Douglas Fir" securely fastened to inside uprights.

FRONT OF DOOR—One piece plastic bonded marine plywood 7/8" or 3/4" thick, 7 ply "Douglas Fir" over secondary insulation, and asphalt emulsion forming best type of vapor seal possible, securely fastened with 2" No. 12 wood screws staggered into stiles and inside uprights.

DOOR FRAME—Made of 1½" jambs and 1½" casings.

HARDWARE—"Super-Seal," a new type "Double Spring" Pressure Fastener, applied at two (2) contact points on the door to maintain a 100% airtight gasket seal. The use of "Super-Seal" Fasteners prevents warping, sweating and door icing.

"Finger-Tip" door openers are strong, heavy, modernistic handles, designed so that mere "Finger-Tip" pressure will open any size door. "Finger-Tip" Openers are applied to the front and back of the doors.

GASKETS—"Freeze-Proof" door gaskets are made of a special moulded sponge rubber, made of soft, resilient waterproof rubber, skin coated on all four sides for maximum protection. This 5/8" x 1/4" special gasket carries the Butcher Boy name to avoid substitutions. The "Freeze-Proof" gasket is the "seal" gasket applied to the perimeter of the door. The "sill" gaskets are of 1/16" pure moulded rubber of a 50-55 Duro test which will not stiffen under freezing temperatures. Designed for replacement without removing the door from its hinges through gasket blocks screwed from front and rear of door.

STANDARD TRACK DOOR

"Butcher Boy" No. 654

Since 1885

GRAVITY TYPE SELF FOR TRACK

An improvement in design and operating efficiency of the TRACK PORT DOOR OPERATOR as used on track type refrigerator doors.

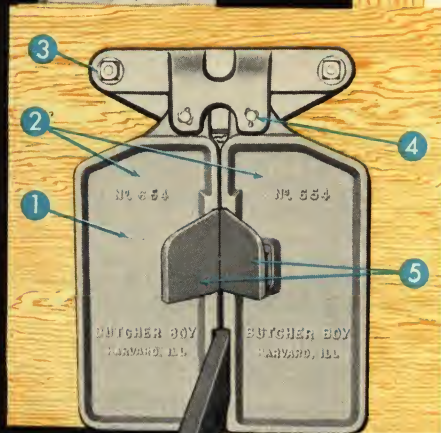
The new BUTCHER BOY No. 654 GRAVITY TRACK PORT DOOR OPERATOR substantially increases the speed in handling of meat and food products on track rails, reduces labor costs, all made possible through the "gravity action" of this new type operator. This is an entirely new concept of a track port door operator, invented by BUTCHER BOY to cope with the problems confronting the operators of meat packing and processing plants throughout the country.

DURABLE—HEAVY—MODERN— Adjustments are simple and positive through the use of elongated slots which are adjustable from the face of the door.

Fig. 18—
Track Door,
Left Hand Swing,
Angle Iron Sill

The BUTCHER BOY No. 654 GRAVITY TRACK PORT DOOR OPERATOR is many times HEAVIER and more DURABLE than any other type of track port door hardware in the refrigerator door industry and has these following exclusive features.

1. SOLID CAST ALUMINUM Wooden Types Crack or Split
2. ONLY (2) WORKING PARTS . . . No Cams, No Links, No Springs
3. ADJUSTMENTS ARE SIMPLE . . . Elongated slots permit field adjustment for each individual unit when necessary.



STANDARD SIZES

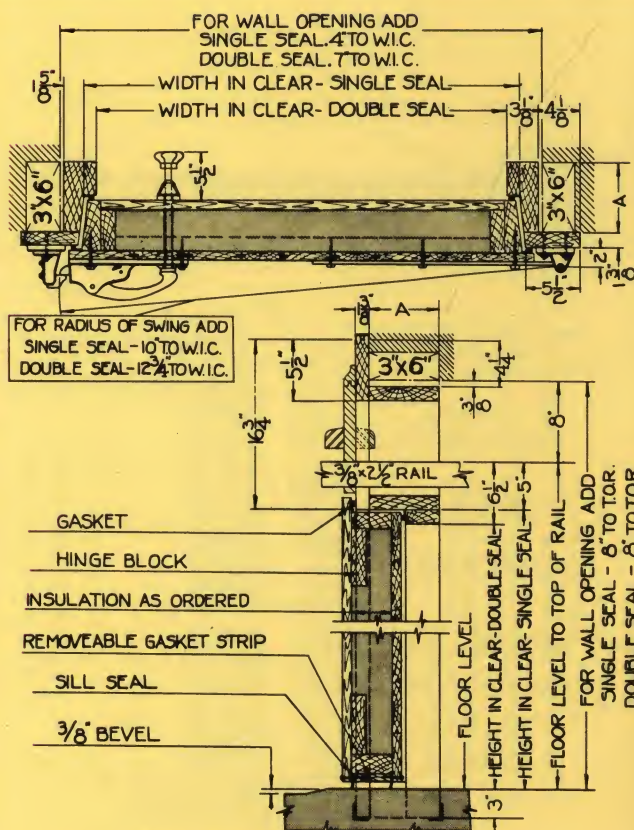
Door Number	Width in Clear By Height to Top of Rail Width Height	Shipping Weight Pounds Crated ♦	Cubic Feet Crated ♦♦
T-1*	3'6" x 7'2"	535	51
T-2*†	3'6" x 8'2"	600	57
T-3*†	3'6" x 9'2"	670	63
T-4**†	3'6" x 10'2"	720	69
T-5**†	3'6" x 11'6"	800	77
T-6*	4'0" x 7'2"	580	56
T-7*†	4'0" x 8'2"	650	62
T-8*†	4'0" x 9'2"	720	69
T-9**†	4'0" x 10'2"	780	75
T-10**†	4'0" x 11'6"	870	84

*Three hinges furnished. †Include double latch.

**Four hinges furnished.

♦For 6" freezers add 20% to weight shown.

♦♦For 6" freezers add 15% to cubic dimensions shown.



STEEL ANGLES FOR CONCRETE FLOORS

"A"—Standard 5"—Special jambs to order.

**FOR TEMPERATURE
RANGES OF +50° TO +10°**

CLOSING OPERATOR TYPE DOORS

4. HEAVY BEARING INSERTSLong life with minimum of lubrication
5. MASSIVE IN DESIGNTo withstand packing house abuses,
heavy malleable iron extended wings

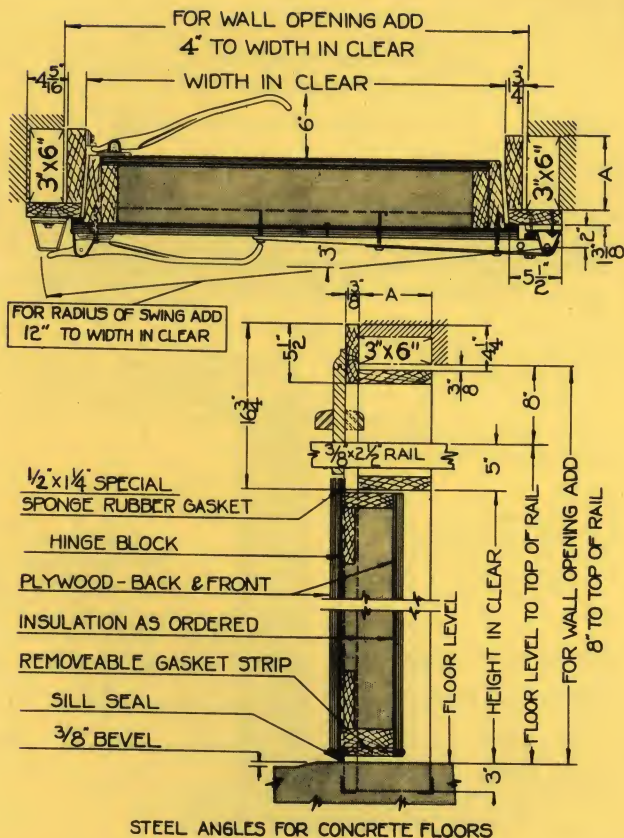
The BUTCHER BOY No. 654 GRAVITY TRACK PORT DOOR OPERATOR has been designed to replace all troublesome types of track door operators. A minimum of time and effort is necessary. Merely drill two (2) $\frac{3}{8}$ " holes through the head casing of the door frame and attach with the $\frac{3}{8}$ " carriage bolts ($\frac{3}{8}$ " x 6") furnished with the track port door operator.

SPECIFY the BUTCHER BOY No. 654 GRAVITY TRACK PORT DOOR OPERATOR and eliminate the "headaches" which have been so prevalent in the field for so many years. Help make the job easier for the plant engineer and maintenance men.

SPECIFICATIONS FOR PLYWOOD PANEL "X-52" DOORS

1. Plastic Bonded "Douglas Fir" Marine Plywood Panels. Front of door made of 7-ply panels and backs of doors with 5-ply panels.
2. Two Point "SUPER-SEAL" Fasteners and "FINGER-TIP" Openers.
3. Shock Absorbing "Adjustable-Spring" type hinges (Model No. 53).
4. Special moulded $\frac{1}{2}$ " x $\frac{1}{4}$ " "FREEZE-PROOF" rubber door gaskets.

Fig. 21—"X-52" Plywood Panel Track Door, Right Hand Swing, Angle Iron Sill



STEEL ANGLES FOR CONCRETE FLOORS

"A"—Standard 5 $\frac{3}{4}$ "—Special jambs to order.



Fig. 22—Track Vestibule Door, Right Hand Swing, Angle Iron Sill (Open View), Rear Kickplates and Armored Jambs applied, 4'0" high (Available in No. 10, 16, 20 or 26 gauge galvanized metal). (Extra). Extra Heavy Duty Spring Steel Bumpers (Extra)

Specify
"Butcher Boy"

Door Number	Width in Clear By Height to Top of Rail	Shipping Weight, Pounds Crated [‡]	Cubic Feet, Crated
XT-1*	3'6" x 7'2"	570	51
XT-2*	3'6" x 8'2"	640	57
XT-3*	3'6" x 9'2"	720	63
XT-4**	3'6" x 10'2"	760	69
XT5-*	3'6" x 11'6"	850	77
XT-6*	4'0" x 7'2"	620	56
XT-7*	4'0" x 8'2"	690	62
XT-8*	4'0" x 9'2"	760	69
XT-9**	4'0" x 10'2"	820	75
XT-10**	4'0" x 11'6"	910	84
XT-11*	4'6" x 7'2"	690	48
XT-12*	4'6" x 8'2"	760	54
XT-13*	4'6" x 9'2"	840	63
XT-14**	4'6" x 10'2"	910	69
XT-15**	4'6" x 11'6"	1000	78

*Three hinges furnished

[‡]Three point fasteners

[‡]For 6" freezers add 20% to weight shown

[‡]For 6" freezers add 15% to cubic dimensions shown

**Four hinges furnished

LOW TEMPERATURE DOORS (Infitting)

AVAILABLE WITH SOLDERED JOINTS

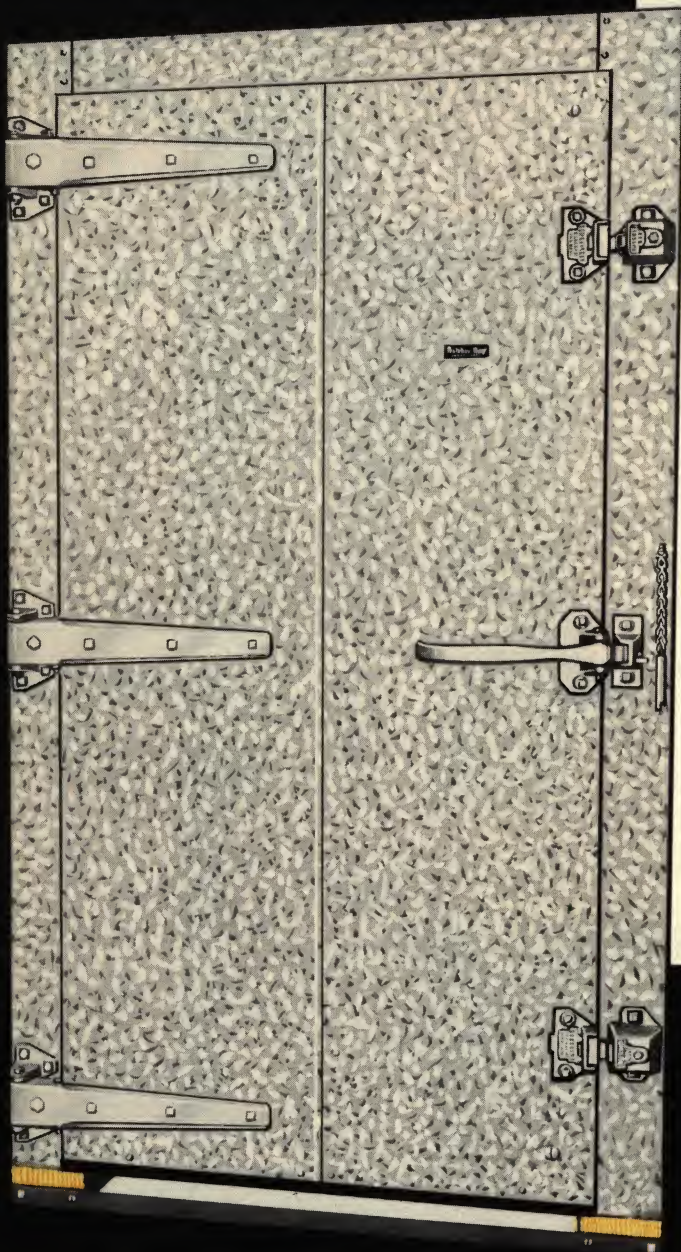


Fig. 23—Low Temperature Door, Left Hand Swing, Angle Iron Sill.

For temperatures from zero to -15° Below

The Butcher Boy Low Temperature Door is an (infitting) type door unit which may be used at the lower temperatures, where more efficient operation is necessary for extreme temperature differences. This (infitting) door is metal covered on the front, edges, and the entire frame to meet these low temperature requirements.

Special hardware applications consist of two point contact "SUPER-SEAL" Fasteners and "FINGER-TIP" Door openers, also heavy duty Adjustable Spring Hinges (see Fig. 9). This special hardware combination distributes and holds gasket pressure uniformly against the door frame.

A single seal "FREEZE-PROOF" (1/2" x 1/4") rubber gasket of the Super-Freezer (overlap type) (see Fig. 29) is applied to the perimeter of the door, which acts as a permanent door seal between the door proper and the edges of the casing.

Butcher Boy Low Temperature (infitting) doors are also available completely metal clad at an additional extra.

STANDARD SIZES

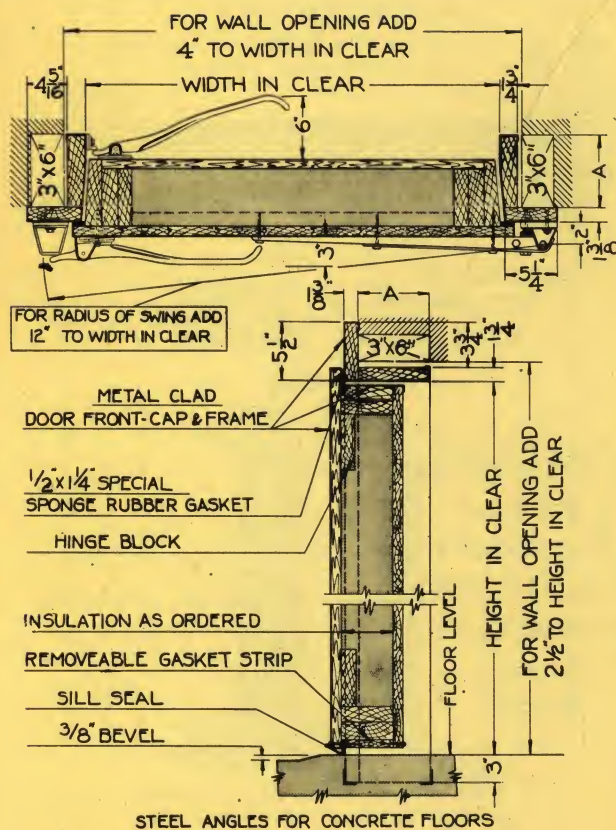
Door Number	Dimensions Inside of Frame (Door in Clear) Width Height	Size of Wall Opening Required Width Height	Shipping Weight Pounds Crated	Cubic Feet Crated
LT-01+	1'6" x 1'6"	1'10" x 1'8 1/2"	135	2
LT-02+	2'6" x 2'0"	2'10" x 2'2 1/2"	180	5
LT-1+	2'0" x 3'0"	2' 4" x 3'2 1/2"	205	7
LT-2+	2'6" x 3'0"	2'10" x 3'2 1/2"	240	9
LT-3+	2'6" x 3'6"	2'10" x 3'8 1/2"	260	10
LT-4§	2'0" x 6'0"	2' 4" x 6'2 1/2"	365	14
LT-5§	2'6" x 6'0"	2'10" x 6'2 1/2"	415	17
LT-6§	2'6" x 6'6"	2'10" x 6'8 1/2"	430	19
LT-7§	3'0" x 6'0"	3' 4" x 6'2 1/2"	450	21
LT-8‡	3'0" x 6'6"	3' 4" x 6'8 1/2"	475	23
LT-9‡	3'6" x 6'6"	3'10" x 6'8 1/2"	520	26
LT-10‡	4'0" x 6'6"	4' 4" x 6'8 1/2"	575	30
LT-11*	4'6" x 6'6"	4'10" x 6'8 1/2"	665	34
LT-12*	5'0" x 6'6"	5' 4" x 6'8 1/2"	715	38

(+) Two Hinges and Single Point Super Seal Fasteners no Back Handle.

(§) Two Hinges and Two Point Super Seal Fasteners.

(‡) Three Hinges and Two Point Super Seal Fasteners.

(*) Three Hinges and Three Point Super Seal Fasteners.



STEEL ANGLES FOR CONCRETE FLOORS

"A"—Standard 7 3/8"—Special jambs to order.

ALSO AVAILABLE AS LOW TEMPERATURE VESTIBULE DOORS

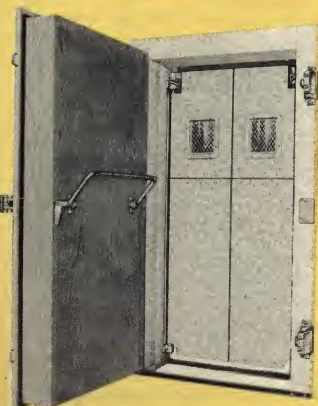


Fig. 24—BUTCHER BOY Low Temperature (infitting) doors are also available VESTIBULE TYPE, for installation where long periods of openings prevail, to offset refrigeration losses. The value of having the double swinging auto-close doors installed in the same common frame with the insulated Low Temperature Door cannot be minimized. In the absence of the double swinging auto-close doors at zero temperature rooms, the cold temperature being maintained within the room will be materially effected with the infiltration of the warm air from the outside, causing unfavorable humidity conditions within the room and frost builds up on the refrigeration coils.

See details on vestibule doors, pages 14 and 15.

FOR SUB-ZERO TEMPERATURES

SUPER FREEZER (Overlap) DOORS

9

The BUTCHER BOY Super-Freezer (Overlap) Door is expressly designed for use at SUB-ZERO temperatures.

The Super-Freezer (Overlap) Door completely "overlaps" its door frame a full four (4) inches for maximum efficiency. No portion of the overlap door protrudes within the wall opening, and consequently there are no spaces for accumulation of ice to form.

Butcher Boy Super-Freezer (Overlap) Doors may be furnished in unlimited thicknesses of insulation to suit any particular requirement. Standard applications are 6" or 8" of boardform or corkboard insulation.

The standard practice is to metal clad the entire warm side of the door as required (either front or back—as specified) with No. 26 gauge galvanized steel to offer protection against moisture infiltration and add to the efficiency of insulation value.

Butcher Boy Super-Freezer (Overlap) Doors are also available in VESTIBULE TYPE where long periods of openings prevail, to offset refrigeration losses. Refer to Page 2 for additional details.

STANDARD SIZES

Door Number	Dimensions Inside of Frame (Door in Clear)	Size of Wall Opening Required	Shipping Weight Pounds Crated	Cubic Feet Crated
SF-1	1'6" x 1'6"	2'4" x 1'11"	230	17
SF-2	2'0" x 3'0"	2'10" x 3'5"	335	28
SF-3	3'0" x 3'0"	3'10" x 3'5"	420	37
SF-4	2'0" x 6'0"	2'10" x 6'5"	500	43
SF-5	2'6" x 6'0"	3'4" x 6'5"	555	51
SF-6*	3'0" x 6'0"	3'10" x 6'5"	610	53
SF-6A*	3'0" x 6'6"	3'10" x 6'11"	650	60
SF-7*	3'6" x 6'6"	4'4" x 6'11"	720	69
SF-8*	4'0" x 6'6"	4'10" x 6'11"	790	79
SF-9*	4'6" x 6'6"	5'4" x 6'11"	820	87
SF-10*	5'0" x 6'6"	5'10" x 6'11"	840	98

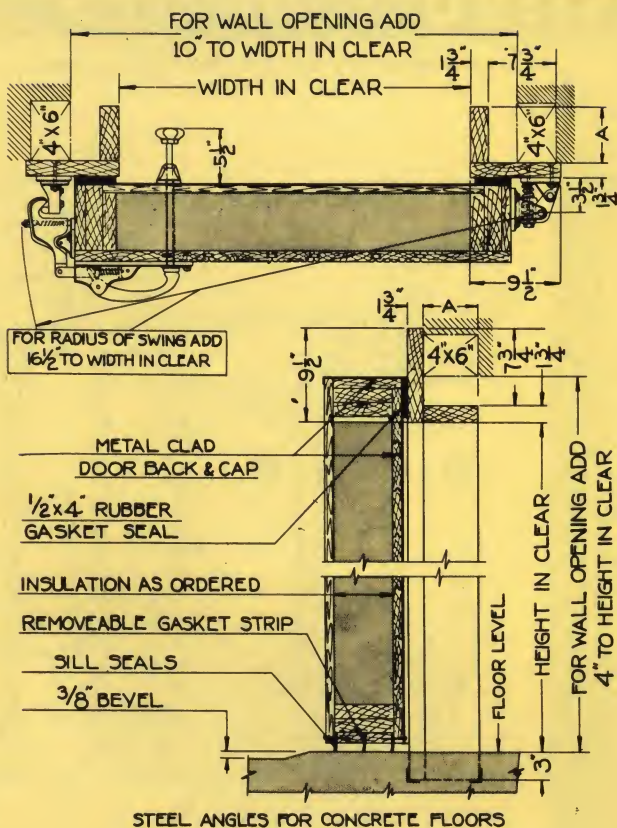
*Three hinges furnished.

• Add 15% to weight shown for doors with 8" of insulation.

• Deduct 15% of weight shown for doors with 4" of insulation.

♦♦ Add 15% to cubic footage shown for doors with 8" of insulation.

• Deduct 15% of cubic footage shown for doors with 4" of insulation.



STEEL ANGLES FOR CONCRETE FLOORS

"A"—Standard 5%—Special jambs to order.

AVAILABLE WITH SOLDERED JOINTS



Fig. 26—

The BUTCHER BOY No. 50 (Shock-Absorbing) "ADJUSTABLE-SPRING" hinge is the only DOUBLE-SPRING Super-Freezer (Overlap) Door hinge in the refrigerator door industry.

DOUBLE SPRINGS develop double action. This is "SHOCK-ABSORBING" action.

A. Constant automatic spring pressures regulate 100% air-tight gasket sealing at all times.

B. Flexibility of double springs automatically compensate for any strain due from direct blows from trucks, rough handling, or slamming of the door.

The BUTCHER BOY No. 50 hinge is MODERN, HEAVY, DURABLE, and has these exclusive features:

1. Springs and links are built into base. All stationary and enclosed.
2. Adjustments made from face of door—not sides.
3. Alemite grease fittings insure proper lubrication.

PATENT No. 2,521,756

PATENT No. 2,535,324

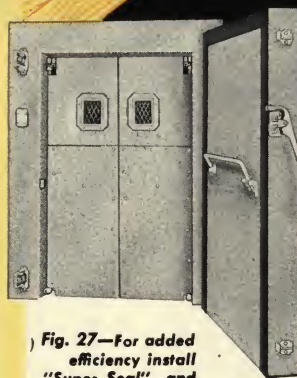


Fig. 27—For added efficiency install "Super Seal" and "Finger-Tip" Door Hardware

Fig. 25—Super Freezer (Overlap) Door, Left Hand Swing, Angle Iron Sill (Open View)

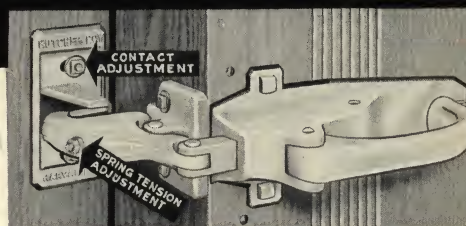


Fig. 28—

PATENT No. 2,514,904

The No. 100 BUTCHER BOY "DOUBLE-SPRING" Fastener is the only DOUBLE SPRING overlap door fastener in the cold storage door industry. The double spring feature assures extra holding power to compress the heavy type gasket 1/2" x 4" for improved sealing efficiency so necessary at zero and below zero temperatures. 100% operating efficiency cannot be anticipated with a single spring overlap type fastener.

GASKETS FOR SUPER FREEZER AND LOW TEMPERATURE DOORS

Unlike standard sponge rubber base gaskets, "FREEZE PROOF" gaskets are a CLOSED CELLULAR RUBBER and made of extremely soft, resilient rubber (nitrogen filled cell composition banded together by strong live rubber), water-proof, and has high insulating factor. This "FREEZE PROOF" gasket is exceptionally light weight and "air cushioned" thereby acting as a perfect "shock-absorber" and controls vibration. Since this gasket composition is of closed nitrogen filled cells, it is sanitary. No water, dust or dirt can reach beyond its surfaces. It is vermin proof and outlasts any other soft rubber materials several times over.

Standard available size for Super Freezer (Overlap) Doors—1/2" x 4".

For Low Temperature (Infitting) Doors—1/2" x 1 1/4".

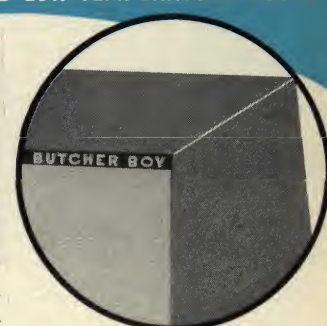


Fig. 29—"Freeze-Proof" Gasket.

"Butcher Boy" No. 51

AUTOMATIC ELECTRIC DEFROSTERS

(WITH
THERMOSTAT)

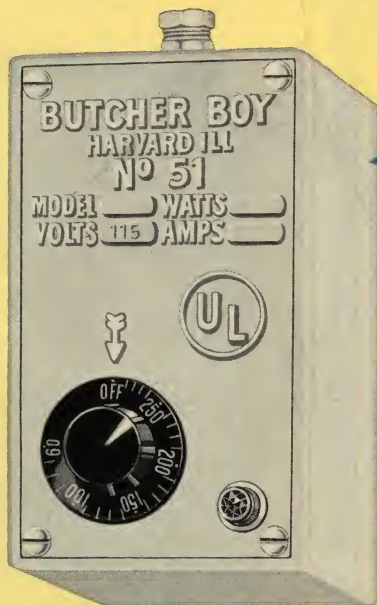


Fig. 41—Sturdy cast aluminum control box containing automatic electric controls.

- 1 Rabbeted channels into casing.
- 2 Fireproof No. 26 gauge galvanized metal lined inside channel.
- 3 Four (4) Silicon covered "heater cables" (not lead cover) held down securely by clips—approximately 20 watts to a foot. (110 volt—60 cycles).
- 4 No. 10 gauge galvanized steel cover plates—removable.



Fig. 42—Cut-away view of HEATING CABLE assembly

- 5 Capillary tube controls (on and off) thermostat.
- 6 Inlet for power.
- 7 Adjustable thermostat for range $+60^{\circ}$ to $+250^{\circ}\text{F}$. See Fig. 41.
- 8 Pilot light guide for "on current" operation—Safety and Security Insurance.

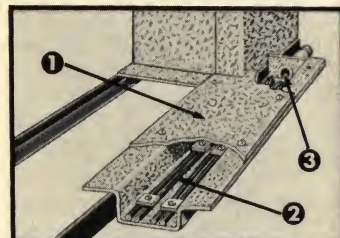


Fig. 42A

DEFROSTERS for VESTIBULE DOORS

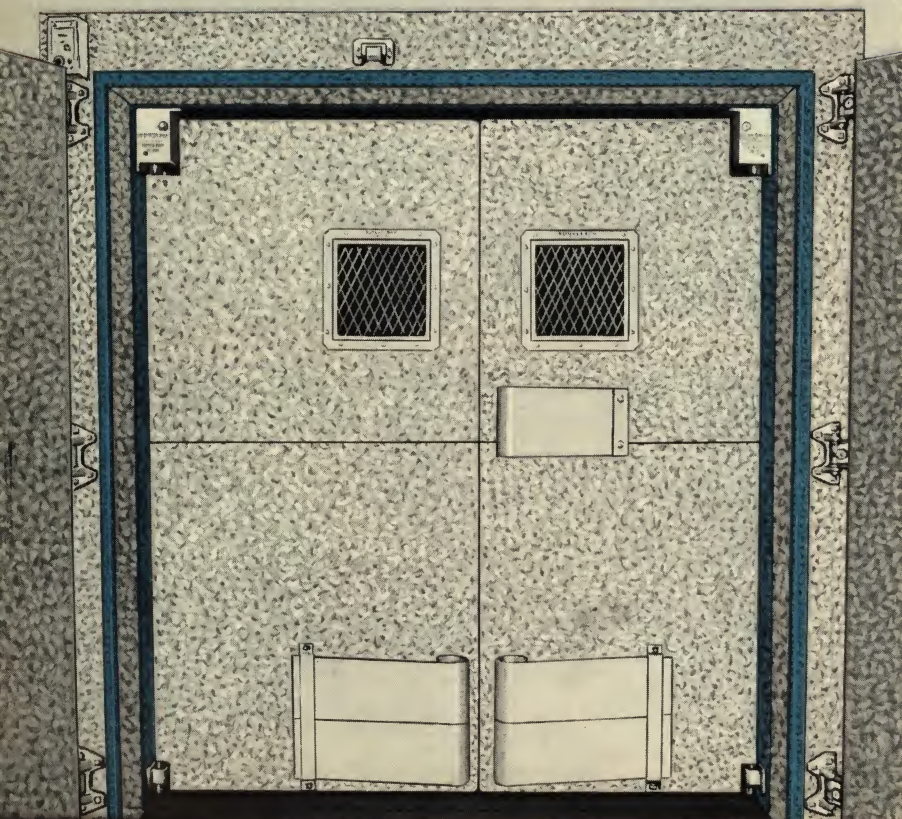
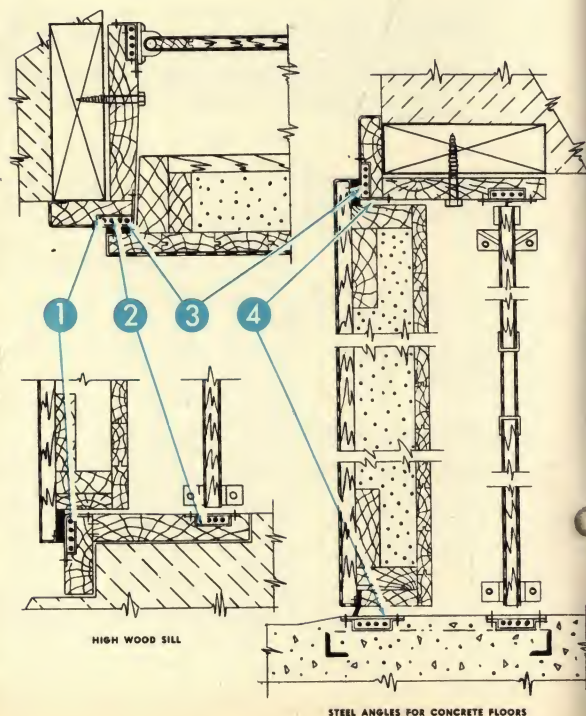


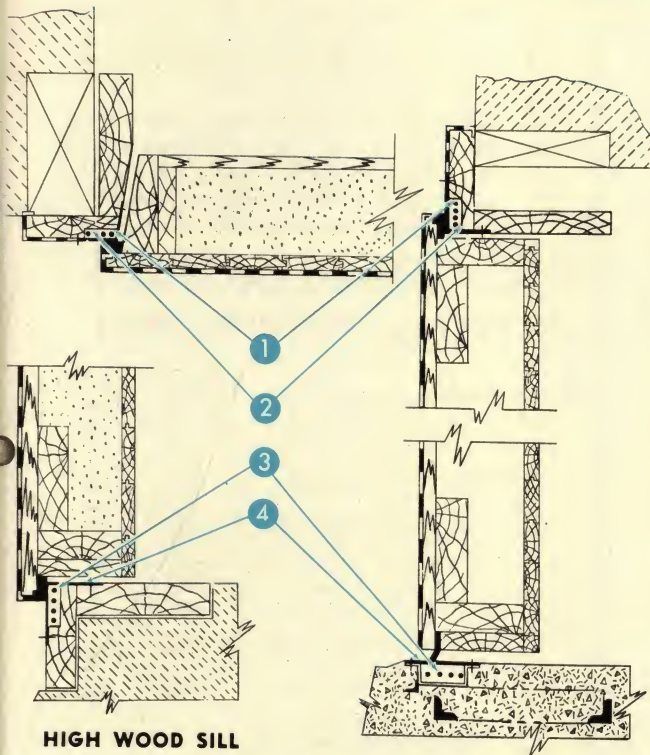
Fig. 43—VESTIBULE TYPE with HEATING CABLE assembly



STEEL ANGLES FOR CONCRETE FLOORS

WITH ELECTRIC *Heating Cable* DEFROSTERS

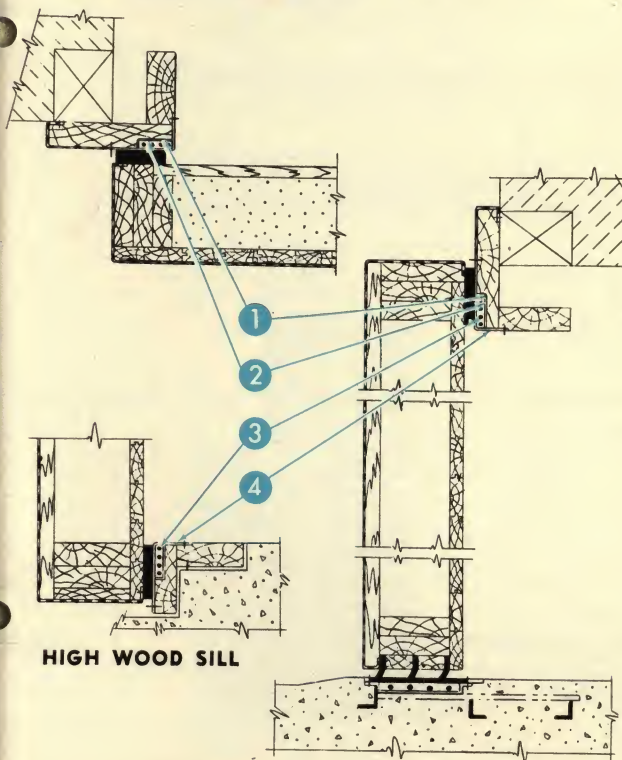
(WITH THERMOSTAT)



HIGH WOOD SILL

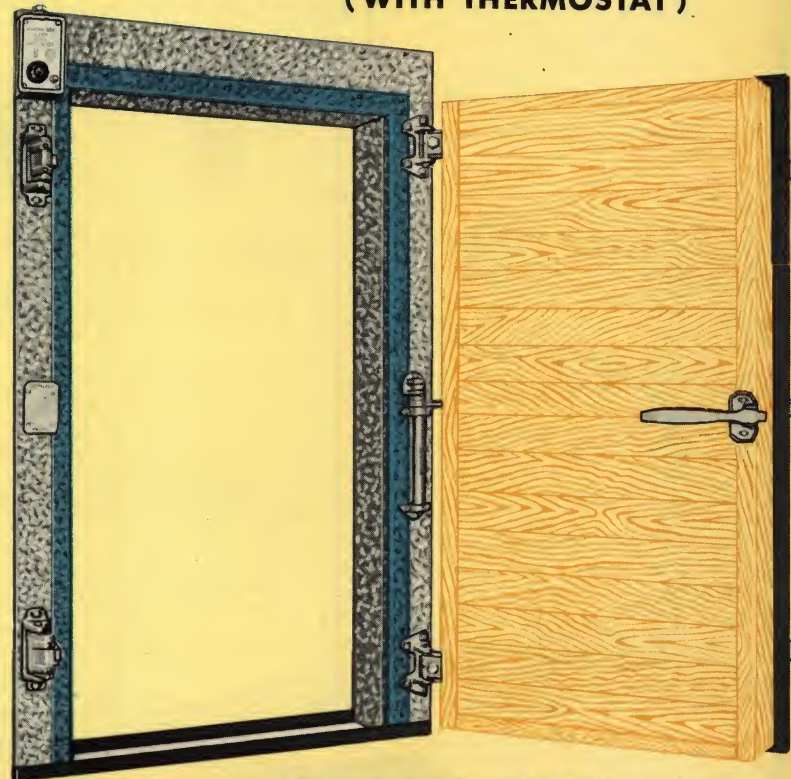
STEEL ANGLES FOR CONCRETE FLOORS

The purpose of heating cables is to prevent icing conditions at the frame and sill areas where the door gaskets make their contact. The cables which are recessed into the frame casing are electrically heated and controlled by a "calibrated thermostat" (new improved feature by Butcher Boy), adjustable above the "dew point" of the air temperature. Since the heat expended prevents condensation it thus prevents freezing conditions.



HIGH WOOD SILL

STEEL ANGLES FOR CONCRETE FLOORS



INFITTING

Fig. 44—The application of heating cables to low temperature doors is most practical where below freezing temperatures are maintained. The low temperature (infitting type) door will open and close efficiently at all times since there cannot be any "Freeze-Up" at the gasket points due to the heat expended by the heating cables. Refrigeration losses are prevented and possible damage from prying the door open is eliminated.



OVERLAP

Fig. 45—Heating cable applications to Super Freezer (Overlap) type doors are recommended where extremely low temperatures are maintained within a room, such as experimental testing at sub-zero temperatures of -50°F or lower.

VESTIBULE DOORS

TO MINIMIZE REFRIGERATION LOSS

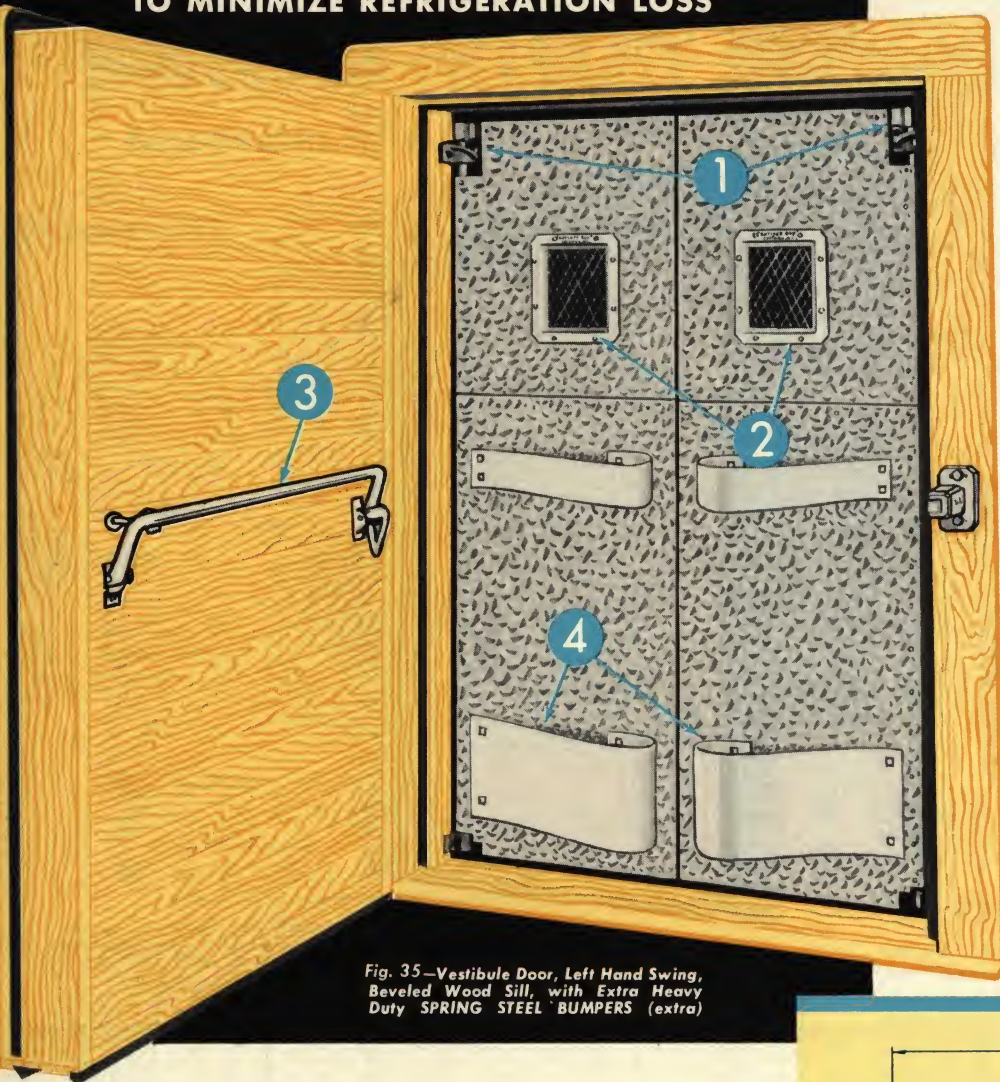


Fig. 35—Vestibule Door, Left Hand Swing, Beveled Wood Sill, with Extra Heavy Duty SPRING STEEL BUMPERS (extra)

- 1 No. V-6—GRAVITY CAM TYPE CLOSING HARDWARE.
- 2 No. W-1—PEEP HOLE WINDOW FRAME (7" x 9" standard—12" x 12" extra)
- 3 No. BB-1—UNLATCHING "BUMPER-BAR" MECHANISM.
- 4 No. SSB-4—HEAVY DUTY SPRING STEEL BUMPERS.

AUTO-CLOSE DOORS

Auto-Close Doors may be used for non-refrigerated doorways, warehouses or any place where an extra-heavy duty swinging door unit is desirable—as shipping rooms, loading and unloading docks, etc. Butcher Boy Auto-Close Doors are built with 1½" solid wood cores, giving rigidity to take the impact of heavy trucks, and are supplemented by inserts to allow for expansion and contraction. The entire Auto-Close Door is completely galvanized metal clad; the lower portion is clad 48" high with 14 gauge galvanized steel, to resist shock and wear.

This galvanized steel is solidly riveted entirely through the door with truss head rivets, eliminating screws which work loose. The remaining height is similarly clad with 20 gauge galvanized steel to form a complete metal clad unit.

Fig. 36—Standard Auto Close Door (Double Swing) No Sill Type

The galvanized steel is riveted through a 1¼" solid steel shaft which actuates the hardware.

Rubber wipers are furnished full height on the jambs behind the heel of each door and across the top, to allow a reasonable seal on the opening. The bottoms are constructed to clear the sill in a closed position, and lift as they open; therefore no seal is necessary.

Vestibule Doors are highly recommended where long periods of opening prevail, to offset refrigeration losses.

Vestibule Doors are a combination of Cooler, Freezer, Track, Low-Temperature, Super-Freezer (overlap) or Double Doors, equipped with double or single swing self-closing Auto-Close Doors. See Fig. 36, built within one frame unit.

When the main door remains open, the refrigerated room is fully protected against loss of refrigeration by the Auto-Close swinging doors. These doors automatically swing into a closed position after each operation, due to the gravity actuating two-way hardware which operates them.

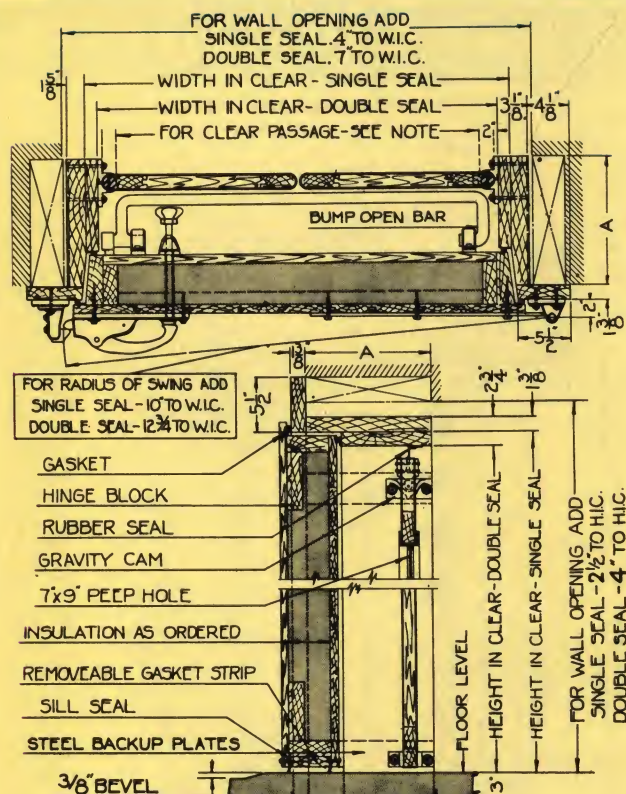
STANDARD SIZES

Door Number	Dimensions Inside of Frame (Door in Clear)		Shipping Weight Pounds Crated ♦	Cubic Feet Crated ♦♦
	Width	Height		
V-0	3'6"x3'0"		405	31
V-1	2'6"x6'0"		455	50
V-2	3'0"x6'0"		500	55
V-3*	3'6"x6'6"		590	70
V-4*	4'0"x6'6"		635	74
V-5*	4'6"x6'6"		735	80
V-6*	5'0"x6'6"		790	86

*Three hinges furnished.

♦ Add 20% to weight shown for doors with 6" of insulation.

♦♦ Add 15% to cubic feet shown for doors with 6" of insulation.

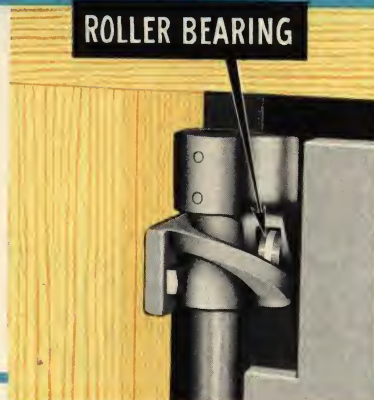


STEEL ANGLES FOR CONCRETE FLOORS

"A"—11½" ON 4" DOOR, 13½" ON 6" DOOR

Deeper jambs available on special order. Note—When spring steel bumpers are added to Vestibule Doors, add 4½" to above measurement.

ROLLER BEARING



No. V-6 GRAVITY CAM TYPE CLOSING HARDWARE

(Standard Equipment)

This standard two-way gravity cam hardware used on standard or average size batten doors (not recommended for large size or heavy traffic batten doors, see Super Cam No. 34 hardware below) is the basic principle of a self closing operation.

The design of this hardware lifts the doors as they swing open. The force of gravity immediately brings the doors into a closed position after each operation. NO SPRINGS.

Fig. 37

"BUTCHER BOY" *SUPER CAM* No. 34 ▶ GRAVITY TYPE CLOSING HARDWARE (Optional Extra)

The "SUPER-CAM" No. 34, newly designed and engineered for top operating efficiency of the larger sizes of Batten Doors, either as separate door units or as component parts of a Vestibule Type Door. The application of "SUPER-CAM" hardware to Batten Doors insures smoother and easier opening and closing operations. BUTCHER BOY No. 34 "SUPER-CAM" hardware is many times HEAVIER and more DURABLE than any other type of Batten Door hardware in the refrigerator door industry. It is designed to DO THE JOB regardless of the size of door units involved.

SPECIFICATIONS

- 1 The BUTCHER BOY No. 34 "SUPER-CAM" (See No. 2) rides on an oversized $1\frac{1}{2}$ " diameter roller (See No. 3) making possible utmost ease in movement of this mechanism. BOTH machined parts are cyanide hardened for extra long life.
- 2 Oversized roller (See No. 3) creates the possibility for usage of an oversized diameter bearing surface or axle ($\frac{7}{8}$ " diameter hardened steel) (See No. 4) which will carry the heaviest doors and door armor with the greatest of ease.
- 3 The fixed position of the oversized axle (See No. 4) and roller allows for a design which will permit direct lubrication to the roller axle (See No. 4) and the roller (See No. 3) made through the Zerk lubrication fitting. (See No. 6).
- 4 The development of the above type of design offers "friction-free" motion between all moving parts, increasing the ease and smoothness in operation of the BUTCHER BOY No. 34 "SUPER-CAM" Hardware, and long lasting service.
- 5 Solid Bronze Bushing inserts $1\frac{1}{2}$ "x2" (See No. 8) lubricated by Zerk lubrication fittings (No. 7) from either side for convenience.

ADJUSTMENT AND ALIGNMENT FEATURES

- 1 Adjustments are made by changing the points of contact between "SUPER-CAM" (See No. 2) and oversized roller, (No. 3).
- 2 Simply loosen lock nuts (See No. 5) with an end wrench or crescent wrench. Use a $\frac{3}{16}$ " Allen type wrench and loosen one side of $\frac{1}{2}$ " set screw (See No. 5) and tighten opposite side of set screw for one direction of change of contact or movement. Opposite application will reverse direction of change in contact.
- 3 Most positive type of locking known. Merely snug up set screws from both sides, and lock up locking nuts tightly.

Cut-a-way view of No. 34 and No. 34 SC

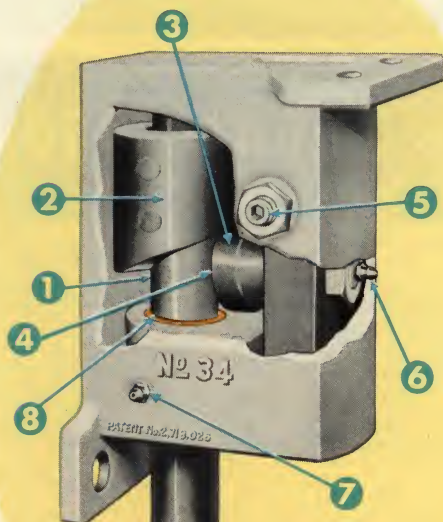


Fig. 38

No. 34 SC "SUPER CAM" GRAVITY CLOSING HARDWARE WITH SPRING COMPENSATOR CONTROL (Optional Extra)

Newly designed for use with Butcher Boy Batten Doors. Basically, the "Super Cam" No. 34 SC is the exclusive Super Cam No. 34 with a spring compensator built as an integral unit.

FEATURES

A. The Super Cam No. 34 SC, equipped with a heavy duty compensator, returns the battens immediately into a closed position after each operation. THE CLOSED POSITION OF THE BATTENS IS FIRMLY RETAINED, THEREBY ELIMINATING OPEN DOORWAYS, DRAFTS, AND RETARDING UNNECESSARY REFRIGERATION OR HEAT LOSSES.

B. Butcher Boy No. 34 SC Super Cam hardware is many times heavier and more durable than any other type of batten door hardware in the industry. This precision built mechanism is adaptable for use with heavy as well as light-weight batten doors of any type and door size.

Fig. 39

SPRING
COMPENSATOR
ADJUSTMENT

RIGID HARDWARE INSTALLATION (Standard Application)

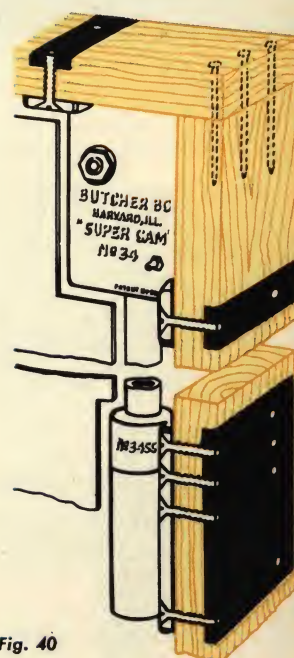


Fig. 40

(No. 34 SC Installation)

Hardware (No. V-6, No. 34, or No. 34 SC Gravity Cam Type Closing Hardware Mechanisms) are securely attached to standard wooden frame (factory furnished and assembled) by means of $\frac{1}{2}$ " steel back up plates, secured with $\frac{1}{2}$ "x $\frac{1}{2}$ " machine screws for a very rigid installation.

INFITTING DOUBLE DOORS

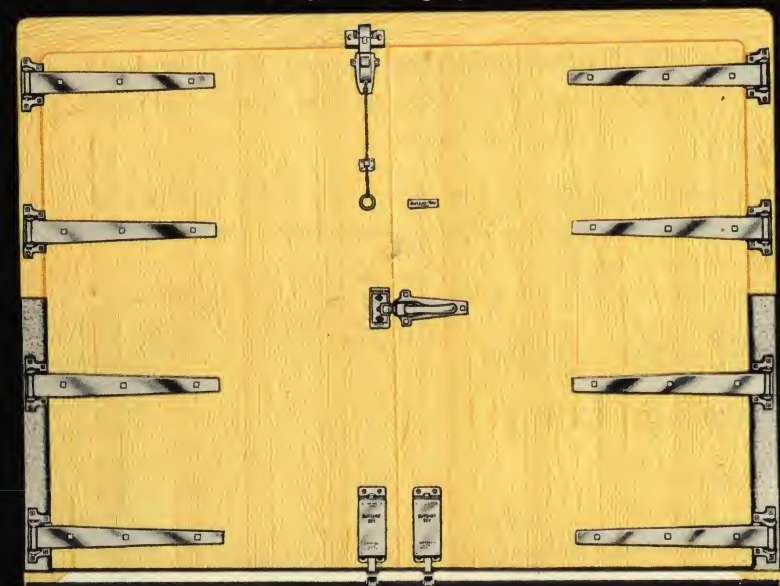
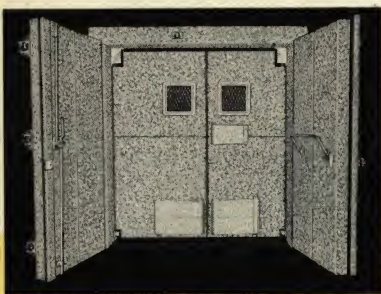


Fig. 30—Infitting Double Doors. Right Hand Door Opens First. Angle Iron Sill. Butcher Boy Adjustable Spring Roller Casters at Extra Cost. See Fig. 35 below, right.

Fig. 33—Butcher Boy Low-Temperature Infitting or Super-Freezer (overlap) doors are available as VESTIBULE TYPE where long periods of opening prevail to offset refrigeration losses.



DOUBLE DOORS

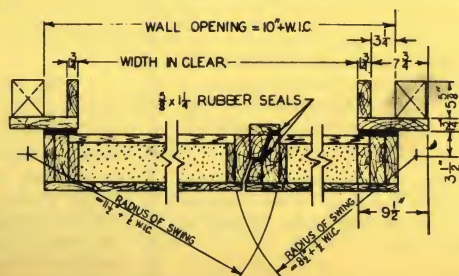
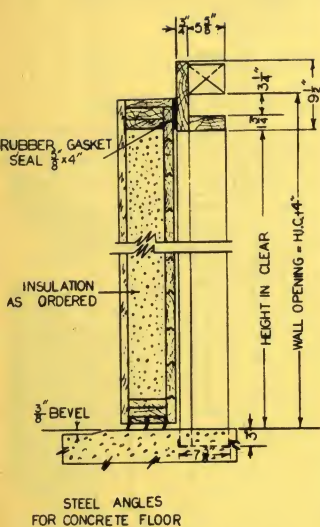
Butcher Boy Double Doors are a combination of two single doors, Standard, Track, Vestibule, Low Temperature or Super Freezer (Overlap) Type hung into a single frame.

These types of doors are most commonly used where extra large openings are desirable, such as car loading docks, elevator shafts, palletizing, or experimental testing rooms.

Specifications for double doors are generally the same as for single doors, as they are furnished with any of the four (4) types of sills, insulation thicknesses as required, with standard Butcher Boy hardware (extra top fastener on second door) and applicable gaskets. Double doors do not have a center obstructing post, which would defeat the desired opening advantage.

Unless otherwise specified, the right hand door opens first, and is equipped with the inside release push rod.

Standard sizes are 6'x0" x 6'6" and 8'x0" x 6'6". Special sizes will be built to meet your requirements.



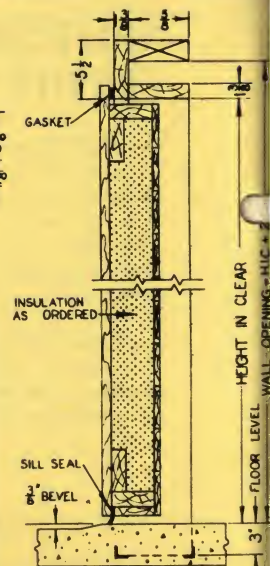
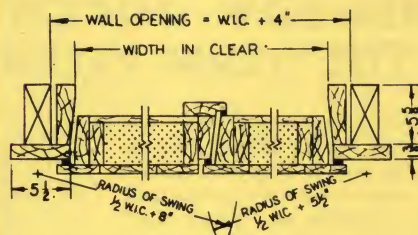
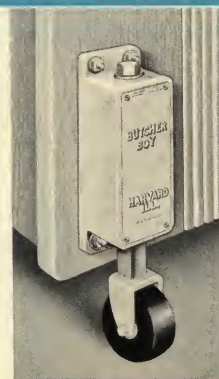
"ADJUSTABLE-SPRING" ROLLER CASTER FOR HEAVY DOORS

Patent No. 2,627,081

A special type of roller caster designed to carry the greater portion of the actual door weight (or load). Relieving the load results in easier opening and closing operation. The adjustment of the two (2) 3/4" jamb nuts on the shaft make possible any required spring tension, necessary to "support" any door weight from 400 lbs. to 2000 lbs. The jamb nuts make the locking of the proper tension positive.

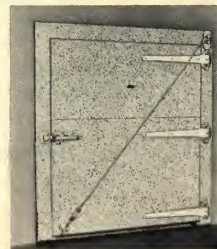
Recommended for use where even floor prevail.

Fig. 32



ACCESSORY FOR INFITTING DOORS

Fig. 31—"Adjustable tie rods" for heavy duty doors, recommended for use where uneven floor levels prevail, to support and keep doors in alignment for continuous and easy operation.



OVERLAP DOUBLE DOORS FOR SUB-ZERO WORK



Fig. 34—Overlap Double Doors. Right Hand Door Opens First. Angle Iron Sill.

"BUTCHER BOY" Manually Operated OVERHEAD DOORS

15

SPECIALLY designed offset (overlap type) insulated doors, for installation at loading docks of meat packing plants or at any moderately refrigerated areas. Other factors which may dictate their use is where the spacing problem will not permit the use of swinging type or horizontal sliding door applications.

Prints and specifications available upon request.

Butcher Boy overhead type doors are of sectional design. For instance, a door for a 7'0" high opening will consist of three (3) sections, each approximately 2'4" high. Additional sections of approximately same dimensions comprise overhead doors for larger openings as required.

The sectional overhead doors are properly counter-balanced, easily raised to a horizontal overhead position, leaving a clear opening for access to and from trucks.

Doors are furnished in varying thicknesses of insulation (2", 3", or 4" thicknesses are standard), fully gasketed (each section) for necessary sealing of the opening, complete with hinges, cam rollers, track and angles, and counter-balancing spring mechanisms. The doors are metal covered with No. 26 gauge galvanized steel as a standard application.

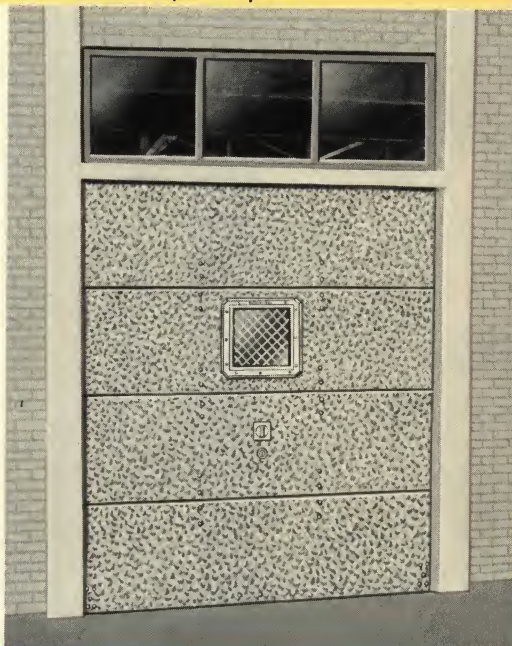


Fig. 34—Inside View

Glazed vision peepholes installed into doors (7"x9" or 12"x12") are optional extras.

Fig. 34—Outside View

SPECIAL APPLICATIONS and SLIDING DOORS

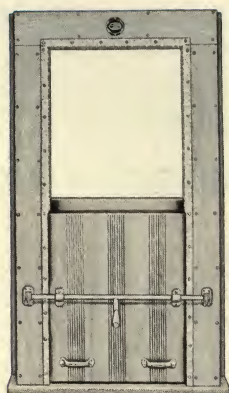


Fig. 48—Vertical Sliding Door

SPECIAL APPLICATIONS OF BUTCHER BOY DOORS

Extensive production facilities make it possible for us to build any special type of cold storage door unit to meet your requirements. Refrigerator Doors may be specially designed for hospitals, hotels, institutions, kitchens, galleys, stores, laboratories or any conceivable application where food products are to be kept under refrigerated temperatures. These doors are available in any special wood or metal finishes (hardware to match).

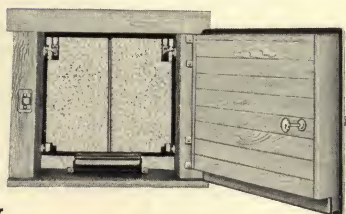


Fig. 52—Can and Crate Passing Door

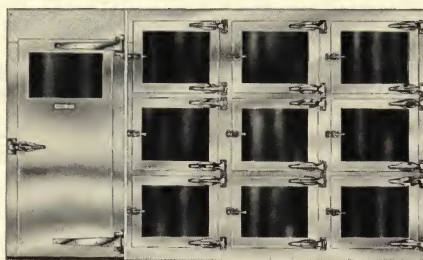


Fig. 49—Stainless Steel Refrigerator Front

FLEXIBLE RUBBER CURTAINS for PASS DOORS

Stripped rubber curtains are particularly suitable for packages or commodities that do not have sufficient weight to pass through regular auto-close batten doors. The rubber curtains (usually consisting of two layers), are stripped and staggered so that one layer overlaps the other. Composition of rubber enables curtains to remain flexible at extremely low temperatures.

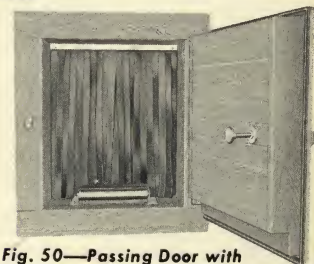
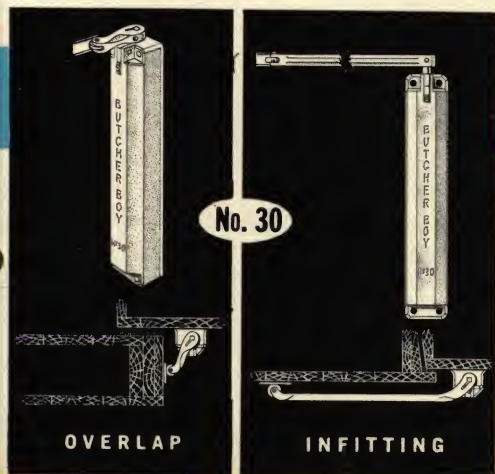


Fig. 50—Passing Door with Rubber Curtain



No. 30 and No. 36 AUTOMATIC DOOR CLOSERS

The BUTCHER BOY No. 30 (large size) and No. 36 (small size) Door Closers automatically return the door to a closed position after each operation. These door closers are of heavy duty design, can be made instantly non-operative, and again be placed readily into operation.

For doors 4'-0" and wider use the No. 30 Door Closer (also recommended for all overlap doors).

To in-activate door closer, merely depress the heavy duty steel "holding pawl" into desired recess (30, 90 or 120 degree angle door opening) of the "tension adjusting cog." To activate door closer, push door slightly past the setting used to in-activate the closer—closer is immediately under pressure and operating.

Specify whether for In-fitting type, or Super Freezer (overlap) doors, right or left hand swing.



MANUALLY OPERATED (Standard)

BUTCHER BOY Horizontal Sliding Doors are recommended for use at locations where installation of swinging doors is impractical due to the SPACE FACTORS.

Horizontal Sliding Doors are available in three distinct types.

MANUAL OPERATION—The most popular type, where traffic through the door opening is very limited, also at moderate temperature areas, (+55 to +25 F.) where loss of refrigeration is not an important factor.

AIR POWER OPERATION—Highly recommended for heavy continuous traffic, especially at freezer areas, combining speed in movement of commodities through the doorways and holding refrigeration losses to the absolute minimum.

The use of air operated sliding doors may be specially economical if compressed air power is already available within the plant, thereby eliminating the necessity of purchasing additional capital equipment for air operation.

ELECTRIC OPERATION—The mechanically operated door specially designed for freezer areas, combining speed of operation, safety, and efficient performance in one self contained unit. Electric sliding doors open and close quickly, (2½ ft. of door opening per second) holding refrigeration losses to a minimum. See pages 18 and 19 for complete data on Butcher Boy Electro Safety Slide horizontal sliding doors.

Fig. 5



AIR POWER OPERATED—Equipped with

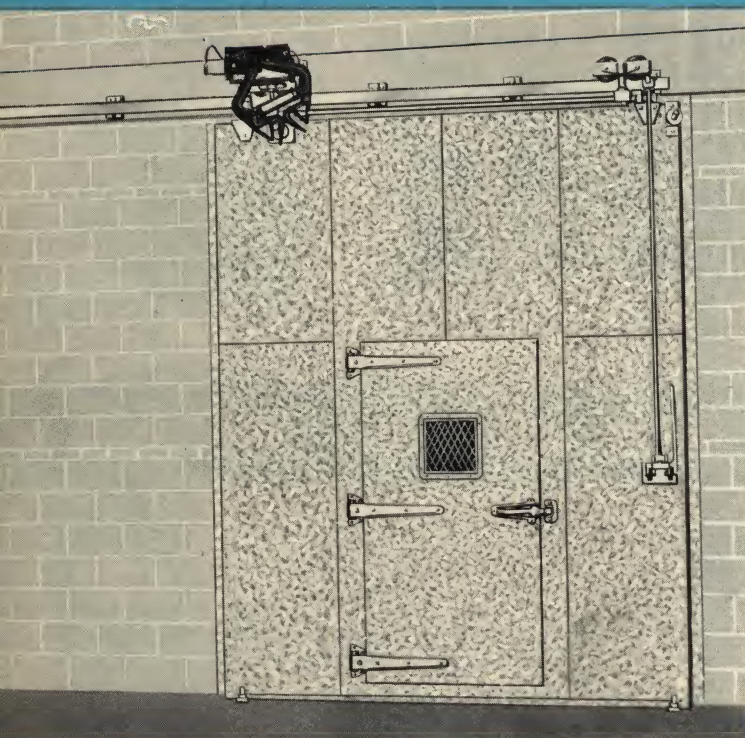


Fig. 6

Air Power Operated horizontal sliding doors are designed for heavy traffic doorways, for speed in opening and closing operations, also to save refrigeration losses at freezer areas. They are engineered to permit opening, entering, and closing of the doors in less than 9 seconds, regardless of door size.

SPECIFICATIONS

CONSTRUCTION	Standard Butcher Boy X-Type door construction. (Maximum strength and insulation fill).
INSULATION	In accordance to specifications selected by the Architect and/or owner.
METAL COVERING	No. 26 gauge galvanized steel, entirely metal covered, unless otherwise specified. This feature increases insulating efficiency, plus the fire protection purpose.
HARDWARE	Automatic Sealing Assembly—See page 17 for details. Exclusively engineered by Butcher Boy.
GASKETS	Butcher Boy ½"x4" heavy duty wool felt, applied with special treatment.
OPTIONAL EXTRAS	<ol style="list-style-type: none"> 1. Electric Heating Defrosters. 2. Safety Feature — Standard refrigerator door built into the horizontal sliding door. 3. Vestibule Type Feature.

See optional extras as detailed above (for manually operated doors).

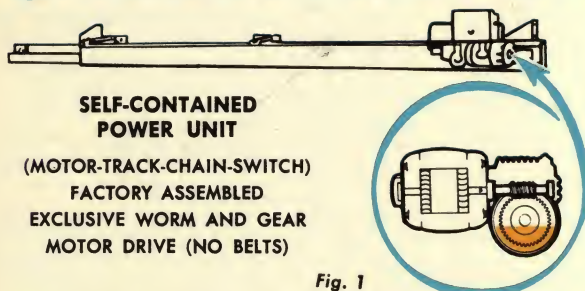
PROVISIONS for CONCRETE BLOCK WALL INSTALLATION

"Butcher Boy"

Since 1885

Electro SAFETY-SLIDE

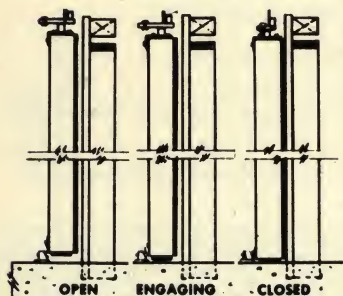
Exclusive Features!



**SELF-CONTAINED
POWER UNIT**
(MOTOR-TRACK-CHAIN-SWITCH)
FACTORY ASSEMBLED
EXCLUSIVE WORM AND GEAR
MOTOR DRIVE (NO BELTS)

Fig. 1

A NEW CONCEPT OF GASKET SEALING BY MEANS OF AN AUTOMATIC SEALING ASSEMBLY



Lever mounted rollers travel to point of contact with rail stop, then engage roller wedge blocks which create instantaneous automatic sealing of door gaskets against the frame.

Fig. 2

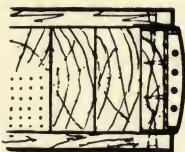
MANUAL SAFETY RELEASE



Consists of a flexible cable attached to a hardened steel pin link assembly which is an integral part of the overhead chain drive. Operable in the event of power failure.

Fig. 3

SAFETY EDGE



Instantly reverses travel of door upon contact. Applied to full height of leading door edge.

Fig. 4

HEAVY DUTY OVERHEAD SERVICE SWITCH



Fig. 5

Actuated by flexible aircraft cables from either side of door opening. Extra rugged and durable.

FEATURING STRUCTURAL SIMPLICITY

- MECHANICALLY SOUND
- COMBINED "SPEED AND SAFETY"
- EXCLUSIVE AUTOMATIC SEALING
- SIMPLIFIED INSTALLATION

"ELECTRO" SAFETY SLIDING DOORS have been primarily designed for freezer and cooler installations, also where swinging doors are impractical, due to the space factors. Butcher Boy "Electro" Safety Sliding Doors are available in varying thicknesses of selected insulation, dependent upon the architect's recommendations and usage in cooler or freezer areas. Cooler doors with 4" of insulation, Freezer doors with 6" of insulation.

AVAILABLE TYPES

SINGLE HORIZONTAL SLIDING DOOR COMPLETE WITH FRAME. This is the preferred design because "field" experience dictates this preference. The following predominant advantages of single horizontal sliding doors should be considered.

- 1 Complete assurance of an airtight seal when the door is in a closed position since the installation of gaskets is LIMITED TO THE PERIPHERY of the door only.
- 2 Gasket surfaces are not exposed to truck contacts; hence they cannot be torn from the door, eliminating the possibility of destroying the "vital" seal between the door and frame.
- 3 Single sliding doors open and close quickly (2½ feet of door opening per second).

Bi-Parting Horizontal Sliding Doors also available.

SIMPLIFIED INSTALLATION

- 1 Provide substantial rough bucks.
- 2 Secure frame to wood bucks with flat head wood screws. If channel bucks, use flat head machine screws.
- 3 Overhead rail channel secured to walls with ½" machine bolts, bolted through the wall.
- 4 Door placed on track rail, subject to available adjustments, ready for sliding operation.

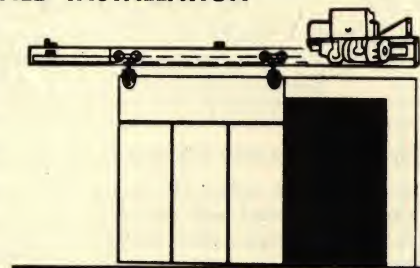
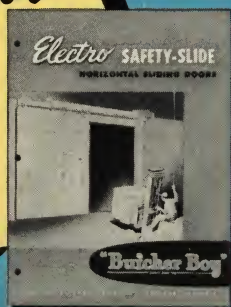


Fig. 6

Write for

**SPECIAL 8-PAGE
BULLETIN
No. GP-20**
For complete
Specifications



SPECIFY WHEN ORDERING "ELECTRO" SAFETY SLIDING DOORS

DOOR SIZE

Width and Height. Standard sizes are 6'0", 7'0", 8'0" widths by any required door height.

DOOR TYPE

COOLER (4" selected insulation). FREEZER (6" selected insulation).

ELECTRIC CURRENT

1 Phase 115/230 V 60 Cycle or 3 Phase 208/220/440 V 60 Cycle.

DOOR SLIDE

Right or Left Slide.

OPTIONAL EQUIPMENT AT EXTRA COST

1. Heavier gauge metal protections on doors and/or frames other than No. 26 gauge galvanized iron.
2. Padlocking Safety Provision.
3. No. 51 Electric Defrosters for 4" cooler doors.
4. Waterproof motor assembly.

HORIZONTAL DOORS

14 OUTSTANDING FEATURES

- 1 Overhead chain drive "Idler Assembly Adjustment".
- 2 Compact electric power operator assembly. Exclusive self-contained motor drive—no belts. Heavy-duty, disc type brake for positive no-coast control.
- 3 Heavy malleable iron Hanger Brackets.
- 4 Hyatt roller bearing Door Bracket Assembly, zerk lubricated, (concealed, arrow shows approximate locations).
- 5 Manual "Safety Release" (in event of power failure).
- 6 Automatic Sealing Assembly (cyanide hardened working parts, zerk lubricated).
- 7 No. 51 Automatic Electric Defrosters with "adjustable" thermostat.
- 8 Concealed electric systems—only ONE hanging power line.
- 9 Safety Edge—Instant Reverse Action upon contact.
- 10 Complete Frame (casing and jamb) metal clad No. 26 gauge galvanized iron.
- 11 Special Butcher Boy "SEAL" and "SILL" gaskets.
- 12 Defroster Drain Outlet (Defroster Protection) Underwriters Laboratory Requirement.
- 13 Manual "Interior Safety Release" (exterior illustrated).
- 14 "Roller-Type" Floor Wedges.

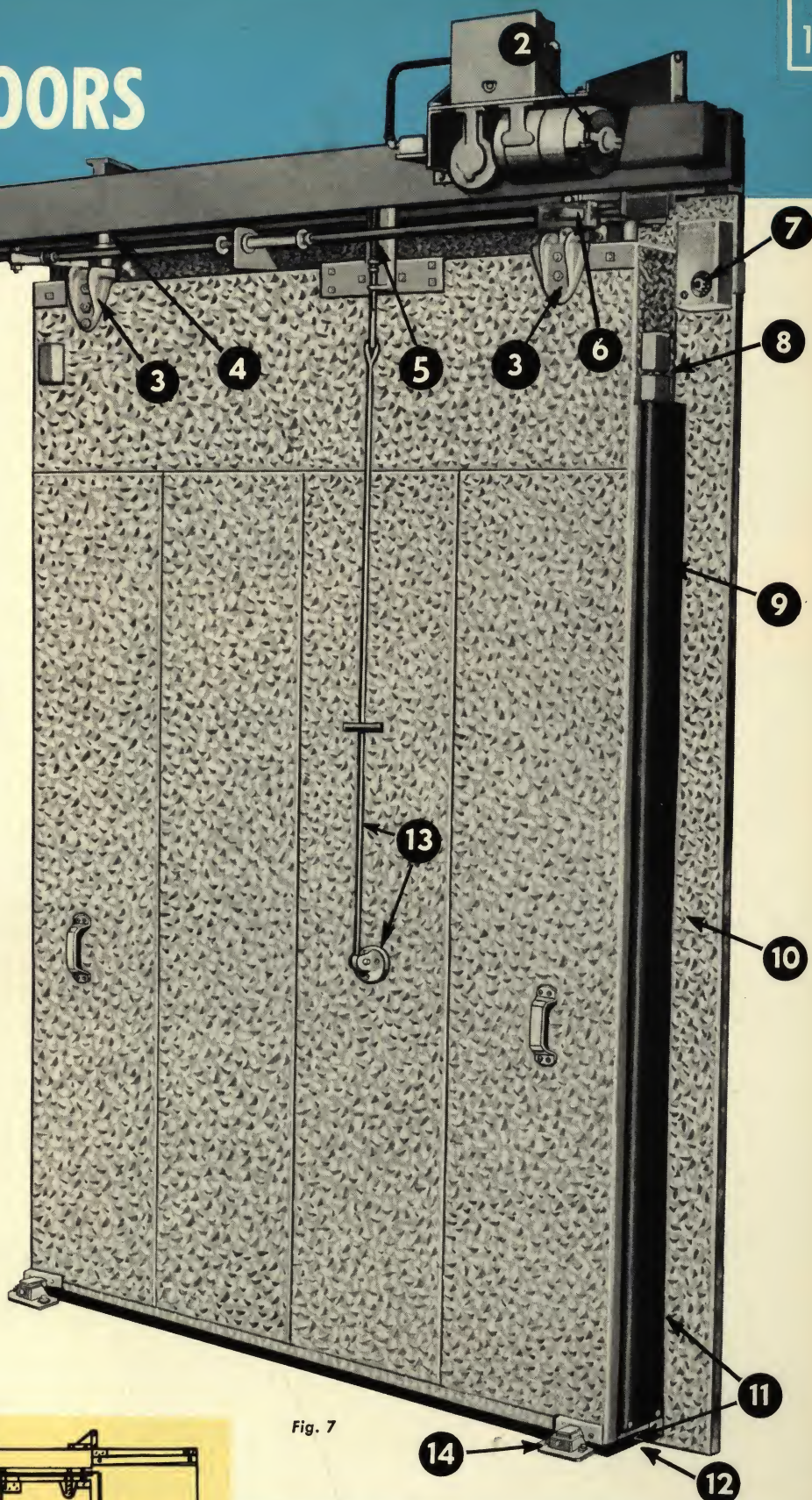


Fig. 7

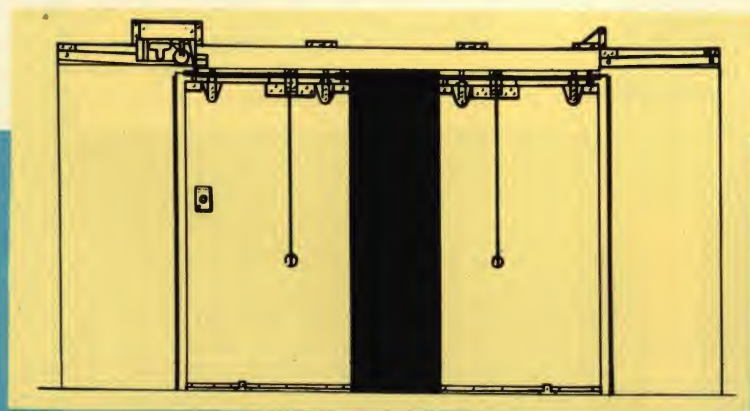
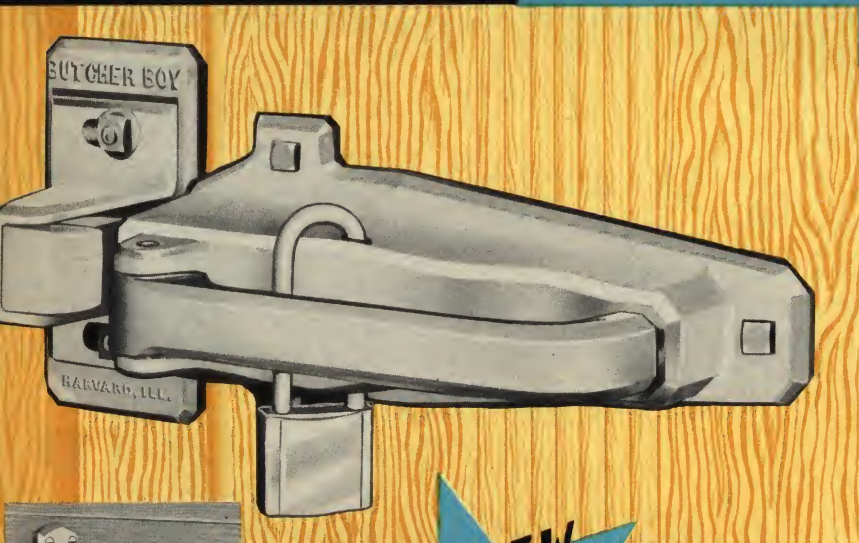


Fig. 8

BI-PARTING *Electra* SAFETY SLIDE DOOR

Available where space factors dictate their use. We strongly recommend bumpers, curbs or rails installed on both sides of the door opening, not only for protection of the doors and wall but also to protect the exposed gasket seals at the center of the opening.

SAFETY RELEASE FASTENER FOR INFITTING DOORS



**NEW
IMPROVED
feature**

INSIDE RELEASE MECHANISM

Unlike other types, the leverage mechanisms are **FULLY CONCEALED** within the lock proper (outside of door) and only the operating push rod mechanism is partially exposed on the back side of the door.

Since the operating push rod is only partially exposed, damages from catching employees' clothing on protruding handles is held to the absolute minimum.

The concealed operating mechanisms minimize maintenance costs since they are not exposed to contacts of trucks when passing through the door openings.

All inside parts, including the conventional inside pull handle, are made of extra heavy cast malleable iron (not of light gauge pressed steel).

Fig. 7—
Safety Release
Fastener

SAVE A LIFE!

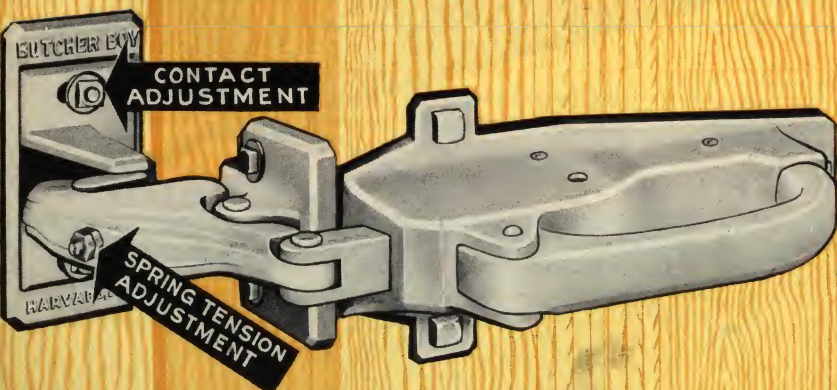
SPECIFY the BUTCHER BOY No. 11 "SAFETY RELEASE FASTENER" to guard against **ALL DANGERS** of being locked into a refrigerator.

IT IS IMPOSSIBLE to intentionally or accidentally lock any person within a door enclosure when the refrigerator door is equipped with the new No. 11 patented safety fasteners. **SLIGHT PRESSURE** against the inside push rod automatically releases latch even though padlocked from the outside thru built-in double cam action within the lock housing.

The BUTCHER BOY No. 11 "SAFETY RELEASE FASTENER" is **HEAVIER** and more **DURABLE** than any other type of safety release fastener in the refrigerator door industry and has the following exclusive features.

- 1. CONTACT ADJUSTMENT**—Elongated slots provide easy adjustments to assure easy opening and closing operation and eliminate wear caused by overriding of the spring and lock parts.
- 2. PRESSURE ADJUSTMENT**—Double lock nut setting assures positive gasket "seals."
- 3. EASY OPENING ACTION**—Built-in 15 to 1 first degree leverage action.
- 4. INSIDE "RELEASING" ROD**—Made of $\frac{3}{4}$ " solid round steel, strong enough to withstand any kind of a shock.
- 5. LOCKING DEVICE**—Provisions for padlocking, without the use of a hasp and staple or pin and chain.
- 6. MOUNTED WITH LAG SCREWS AND CARRIAGE BOLTS**—(not wood screws) for lasting service.

No. 12 SAFETY RELEASE FASTENER FOR SUPER FREEZER (OVERLAP TYPE) DOORS



Safety Release Fastener for Overlap Door

Fig. 8—

The No. 12 Safety Release Fastener incorporates the same safety release features as the No. 11 Safety Release Fastener. The primary difference between the No. 11 Safety Release Fastener and the No. 12 Safety Release Fastener is in the application to a specific type of door.

Whereas the No. 11 Safety Release Fastener is designed for use on (INFITTING TYPE) standard cooler and freezer doors (TYPE OF DOOR WHICH FITS WITHIN THE DOOR FRAME) see Fig. 7, the No. 12 Safety Release Fastener is specifically designed for use on Super Freezer (OVERLAP TYPE) doors (TYPE OF DOOR WHICH COMPLETELY OVERLAPS THE FACE CASING OF THE DOOR FRAME) see Fig. 8. See exclusive features for Safety Release Fasteners as noted above.

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